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ADAMS SEED BOOK
FIELD-FLOWER AND GARDEN
SEE

188
19



1913

T. LEE ADAMS SEED CO.
417 WALNUT
KANSAS CITY

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SPECIAL NOTICE—Postage on Beans, Peas and Corn, 15c per Quart Extra. Onion Sets, 10c per Quart. Grass and Field Seeds, 8c per Lb. Extra must be added to the amount of order if wanted by mail. All other Seeds are postpaid.

ORDER SHEET.

T. LEE ADAMS SEED CO.

Please be particular to WRITE YOUR NAME AND ADDRESS DISTINCTLY AND IN FULL with EACH order. We are continually receiving orders where this is neglected, and are obliged to hold them until we hear again from the writer. Be sure to give Express Office, as some orders can be sent better and cheaper by prepaid Express than by Mail. Do not send personal checks.

ORDER EARLY, that orders may be filled before stock is broken.

Positively no goods sent C. O. D.

Our terms are cash with all orders.

T. LEE ADAMS SEED CO., Kansas City, Mo.

Forward by { State on this line whether wanted {
by Mail, Express or Freight.

Your Name

Post Office

County

State

Express or Freight Office

Amount Enclosed, Post Office Order \$

Express Order - - \$

Bank Draft - - \$

Cash - - - - \$

Stamps - - - - \$

2c stamps preferred.

Total, \$

Date

191

ADDITIONAL ORDER SHEETS SENT ON APPLICATION.

Packed by

Date

Sacks

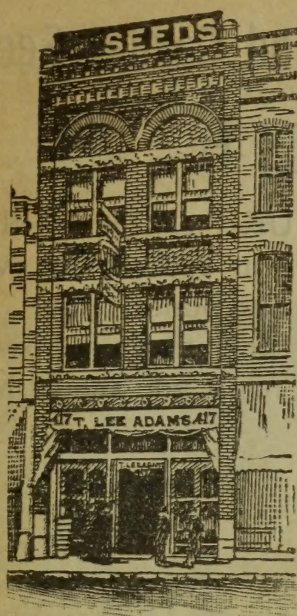
Box

Bbls

Total Number Pkgs

T. Lee Adams Seed Co. does not give any warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants they send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned and money paid for same will be promptly refunded.

Other Articles	Bushels	Quarts	Pounds	Ounces	Packages	NAMES OF SEEDS OR OTHER ARTICLES WANTED	PRICE	TOTAL
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SEASON OF 1913.

To Our Friends and Customers:

For many years our trade has been increasing rapidly and the past year faster than ever before, and there must be a reason for it: In the past we have endeavored by furnishing dependable SEEDS, giving prompt attention to orders, and courteous treatment to our customers, to merit this, and we assure you that in all of these particulars there shall be no decline in effort.

We have for years studied where and of whom to buy our seeds, and believe that to-day we know who grows QUALITY SEEDS or such as we furnish our customers, and from them we buy.

In 1909, realizing the necessity of the FRUIT GROWER protecting his trees from San Jose Scale, Coddling Moth and kindred pests, we added Horticultural Supplies and the trade in them has passed our expectations.

In 1910 we added "BEE KEEPERS' SUPPLIES" to our line and we are pleased to say that the orders were beyond our expectations.

In 1911 we added INCUBATORS and BROODERS, for which we have many calls. We can offer you a first class incubator at a reasonable price.

Remember that the ADAMS STANDARD is high, yet we aim to make further progress, and thanking you for your expressions of good-will in the past, we solicit your continued patronage.

INSTRUCTIONS TO PURCHASERS.

Free Delivery.

At the prices named in this Catalogue we deliver to any Post Office in the United States all Vegetable and Flower Seeds in packets, ounces and pounds, Free, except Peas, Beans, Sweet Corn, Field Corn and Farm Seeds, which if wanted by mail add 8 cents per lb. or 15 cents per quart.

If purchased in bulk (pecks, bushels or 100 lbs.) orders will be shipped by express or freight at the expense of the purchaser.

Kindly send us the names and addresses of your market gardener friends and we will mail them a copy of our Catalogue free.

All plants are shipped at risk of purchaser.

All prices quoted in this list are subject to market fluctuations or to goods unsold.

Peas, Beans, Sugar Corn, Potatoes, field seeds, onion sets, net—no discount.

DISCOUNTS—On large orders of vegetable seeds we offer the following rates of discount for cash:

\$10.00 and under \$20.00.....5 per cent.

\$20.00 and over.....10 per cent.

Bags, barrels and boxes will be charged at cost.

GUARANTEE.

We buy and sell THE BEST SEEDS THAT GROW. But it is impractical to guarantee seeds, as the best of seeds will fail under improper treatment. Some may be sown in too dry ground, or too wet, too deep or too shallow. Some hardy seeds stand cold weather and will grow where the soil is too cold for others and would cause them to decay. Insects may attack and destroy them. For these reasons we do not give any warranty in any respect.

A pleased customer brings us two new ones.

We thank you for your liberal patronage and kind expressions and will always strive to merit your continued favors.

Wishing you a prosperous year, we remain,

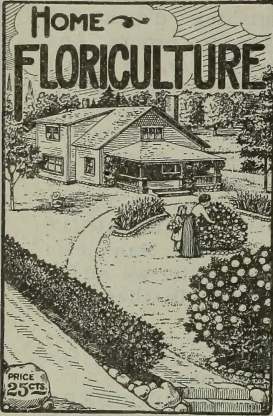
Yours very truly,

T. Lee Adams Seed Co.

We have clerks that speak German, French and Belgian and parties from these countries will find it pleasant to trade here.

Descriptive Catalog of Vegetable and Garden Seeds

FREE



HOME FLORICULTURE or 25c worth of Garden Seeds extra in packets for every \$1.00 remitted for packets and ounces only.

If you want to know how to have flowers, when your neighbor has none, you should have this little booklet.

IT WILL TELL YOU HOW

GARDEN SEEDS BY MAIL.

We will furnish Garden Seeds, at the prices on the following list, postpaid, except heavy seeds, such as Beans, Peas, Corn and Onion Sets and Field Seeds. For these it will be necessary to add to the remittance 15c. per quart or 8c. per pound to cover postage. Half pounds sold at pound rate.

Read our Special Offer on page 54.
Making and Care of Hotbeds, page 26.

ASPARAGUS

German, Spargel.

French, Asperge.

Culture—The seed before sowing should be well soaked in water. Sow in the early Spring in drills 2 to 3 feet apart, scattering about 1 inch apart in the drills. Cover with 1 inch of soil, cultivate freely. One ounce will produce about 400 plants; 4 to 5 pounds to the acre. The following Spring set out the roots to a permanent bed, in rows 2 to 5 feet apart, 18 inches apart in the rows. Cover with 2 inches of soil. Fight beetle with Slug Shot or Bug Death.

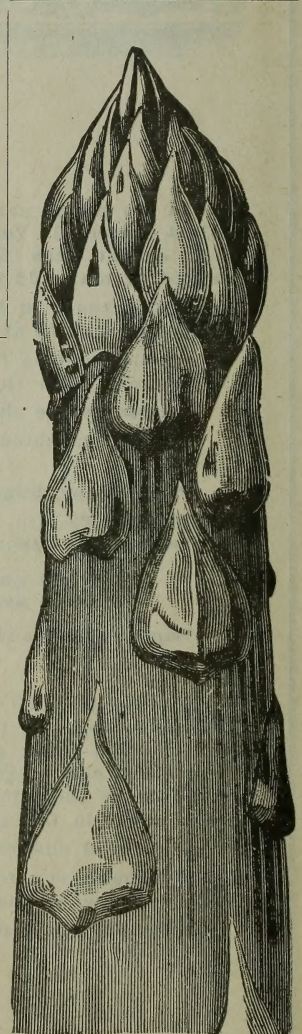
COLUMBIAN MAMMOTH WHITE—A new variety with white shoots, stays white without earthing up or blanching. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

THE PALMETTO—A new production; is not only very early, but is also a good yielder, and is even and regular in its growth. Pk., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

CONOVER'S COLOSSAL—Has long been a standard variety. The shoots are of large size, very productive and of good quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

BARR'S MAMMOTH—The stalks are very large, frequently an inch in diameter, and have close round heads. They are quick growing, tender and succulent, entirely free from woody fibre. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

ASPARAGUS ROOTS—Can supply two-year-old Roots of above varieties at 75c per 100, \$5.00 per 1,000 at express office here.



Conover's Colossal.

German, Bohnen.

BEANS—Dwarf or Bush

French, Haricots.

Culture—Succeed best in warm, sandy loam, enriched with well rotted stable or poultry manure. Must not be sown until the ground is warm and dry. Sow in drills 18 to 30 inches apart, 1 to 2 inches deep, placing the beans 2 to 3 inches apart in the drills; for a succession sow every 2 weeks until September. Use 1 quart to 200 feet of drill, 1 bushel to the acre. Sow bush limas in drills 3 feet apart, placing the eye down, 18 to 24 inches apart in the drills; or in hills 3 feet apart each way, allowing 1 or 2 plants to each hill. Use 1 quart to 100 hills, 12 to 16 quarts to the acre. Cultivate frequently, but shallow, and never when vines are wet.

(If by mail, postage 15c per quart extra.)

GREEN POD VARIETIES.



Stringless Green Pod.

BURPEE'S STRINGLESS GREEN POD BUSH—Is the first stringless green-pod dwarf bean in cultivation. It surpasses all others in crisp, tender flavor, and is also very prolific. The pods are ready to market two weeks earlier than Red Valentine. Price, pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$2.00.

REFUGEE OR BROWN SPECKLED VALENTINE—Hardy abundant bearer, one of the best for pickling. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

BLACK VALENTINE—A great improvement over the popular Red Valentine, the pods being perfectly round and straight, though not quite so early. It will withstand early and late frosts.

Owing to its enormous yielding qualities and handsome appearance, it is desirable sort for the Market Gardener. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.50.

EXTRA EARLY ROUND-PODDED VALENTINE—This is one of the very best Snap Beans, being very early and of first-class quality. The pods are round, fleshy, crisp and tender. Very productive. The best Early Green Beans for the market gardener or private grower. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.50.

GIANT STRINGLESS VALENTINE — The Improved Valentine has for a long time been a very popular bean among market gardeners as well as those growing for their own table. In this new variety we have all the good points of the parent with some marked improvements. The pods, produced abundantly, are considerably larger, are round, full, fleshy and brittle. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

LONG YELLOW SIX WEEKS—In many sections a popular market sort. When young, pods are of good quality. Very productive and hardy. Pods are long, straight and quite thick. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.50.

HENDERSON'S BUSH LIMA — A dwarf form of the Small Lima and valuable because of its extreme earliness. Vines without runners, but continuing to grow and set pods until stopped by frost. Pods short, fat and containing from 2 to 4 beans; superior in quality to the Large Lima. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.



Extra Early Round-Podded Valentine.

BURPEE'S BUSH LIMA—A bush form of the true Large Lima. Plants uniformly dwarf, bearing very abundantly, single plants under favorable circumstances yielding from 150 to 350 pods, containing 4 to 6 beans; grows only 20 inches high branching freely, immense bearer. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

YELLOW POD OR WAX VARIETIES.**IMPROVED PROLIFIC BLACK**

WAX—This Bean originated from the old Black Wax, but it is much superior to its parent. It is much more productive and the pods are longer, straighter and rounder. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

IMPROVED GOLDEN WAX—An

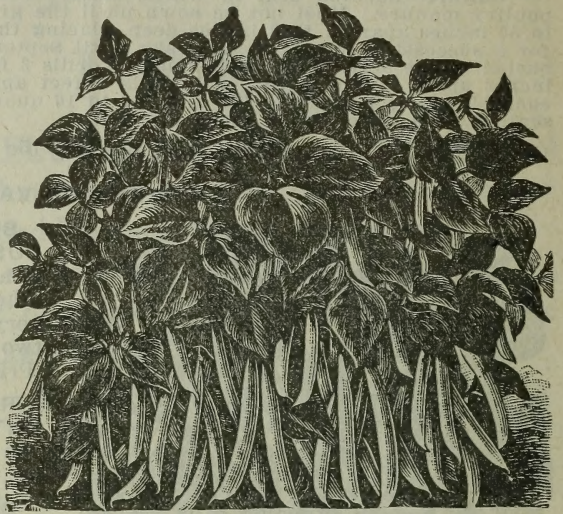
improvement on the old Golden Wax. Pods larger and more prolific. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

DAVIS WAX—The plant is a vigor-

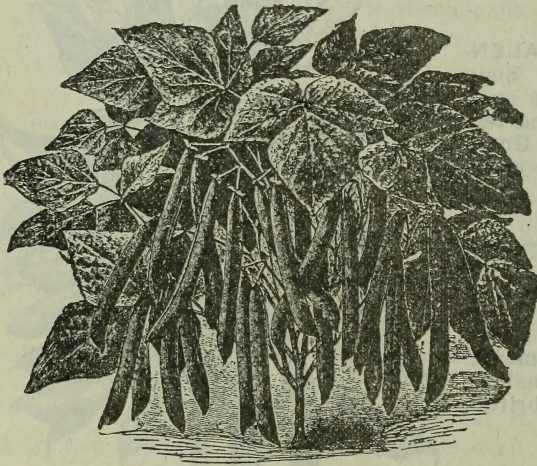
ous grower, carrying the pods well above the ground. The pods are long, straight and of a clear waxy color, often growing to a length of 7 or 8 inches. It is stringless, of fine flavor, and an excellent shipper; white seeded. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

WHITE WAX—Pods waxy yellow.

tender and stringless. Beans medium size, oval, white. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

**Wardwell's Kidney Wax.**

If Beans, Peas or Corn are wanted by mail, add 8 cents per pint, 15 cents per quart, to cover postage.

**Prolific Black Wax.****CRYSTAL WHITE WAX**—Very de-

sirable for snaps or pickles. Pods greenish white, short, curved with crease in back, very fleshy and brittle. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$2.00.

WARDWELL'S KIDNEY WAX—

This bean merits a position among the earliest, hardiest and most productive wax beans ever produced. The pods are very large, smooth and showy, and will readily sell in preference to any other; are tender, stringless and of excellent quality. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

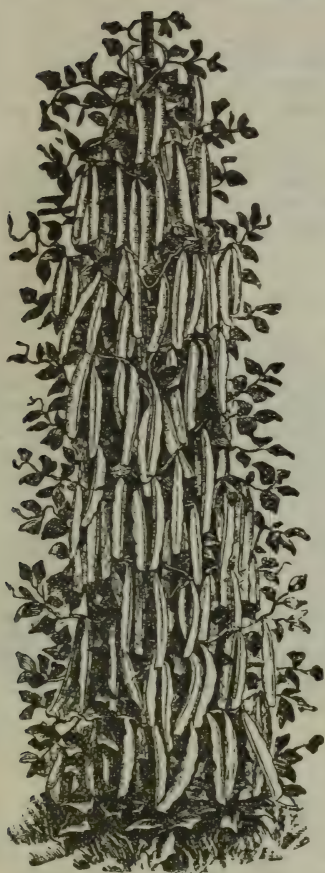
CURRIE'S RUST PROOF WAX—

Seed black; a fine sort. Rust proof, tender thick fleshed pods, early and very productive. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

FLAGOLET WAX—A large bush wax variety; seed large, purplish red; excellent as a snap bean, and in great favor as a dry shell bean. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

PENCIL POD BLACK WAX—Grows a taller, stronger and more vigorous bush than the Prolific Black Wax, which is one of its parents. Pods are long, slender, straight and shaped very much like a pencil. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

Market Gardeners using Beans in larger quantities than priced herein will do well to ask for **MARKET GARDENERS' LIST**.

**BEANS—Pole or Running**

(Postage 15c per quart extra.)

Culture—A warm, sandy loam, enriched with well-rotted stable or poultry manure is best. Beans must not be sown until the ground is warm and dry. Plant 6 to 10 beans to a hill 1 inch deep. When well started, thin to 4 plants. Use 1 quart to 200 hills, 10 to 16 quarts to the acre. Plant lima beans 4 to 6 beans to a hill, eyes down, 2 inches deep. When well started, thin to 2 plants. Use 1 quart to 100 hills, 20 quarts to the acre.

KING OF THE GARDEN LIMA—One of the largest and most prolific pole beans in cultivation, being a continuous bloomer and bearer to the end of the season. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

LARGE WHITE LIMA or BUTTER. Rich and finest flavor and estimated to be the best of pole beans. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

CAROLINA—Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

LAZY WIFE—Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

HORTICULTURAL or SPECKLED CRANBERRY—A showy bean, maturing in eighty days. Pods green, dashed with red, valued either as a snap or for shelling. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

CUT SHORT OR CORN HILL—An old variety, very popular for planting among corn; pods short, round and tender; beans nearly oblong. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

KENTUCKY WONDER—Vine vigorous, climbing well and very productive, bearing its pods in large clusters; pods green, very long, often reaching nine or ten inches, nearly round when young and very crisp, becoming very irregular and spongy as the beans ripen. A very prolific sort, with showy pods. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

BEETS

German, Rothe Ruebe.

French, Bettrave.

Crop Very Short.

Culture—For earliest use and market sow seed of any round sort under glass, in February or March, and transplant to open ground in March or April. Seed for main crop may be sown as soon as ground can be put into proper condition. For table beets sow in drills 18 inches apart, and thin to stand 3 to 4 inches apart in the rows. Use 1 ounce to 100 feet of drill, and cover lightly: 5 to 6 lbs. per acre. The round and turnip-shaped beets are best for spring and summer; the half long kinds for winter. Make successional plantings and cultivate freely. Beet tops are much used for greens, and frequently form a profitable crop with many of our market gardener customers.

EARLY BLOOD TURNIP—A well-known standard variety; rich deep, blood-red color. Oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

ECLIPSE—Has become exceedingly popular for its extreme earliness, possessing all the qualities requisite in a first-class beet. The roots are bright, glossy red, fine grained and delicious. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.



- | | |
|----------------|----------------------|
| 1 Electric. | 2 Detroit Dark Red. |
| 3 Early Blood. | 4 Crosby's Egyptian. |

THE ELECTRIC—The best second early beet. The Electric is a thoroughbred, remarkably uniform in shape and size, with smooth, dark red skin, small leaves and a small tap root. The flesh is fine grained and tender; color, rich red, ringed with dark crimson. We recommend the Electric Beet to all those wanting an extra fine early table beet. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

DETROIT DARK RED—A choice strain of dark red turnip. Fine globular or oval, smooth roots, with small tops; skin blood red, flesh dark red, zoned with a lighter shade; tender and sweet. Extremely popular for market and canning. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

DEWING'S IMPROVED BLOOD TURNIP—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

THE LENTZ—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

CROSBY'S IMPROVED EGYPTIAN BEET—The earliest beet in the market, a selection from the old market beet. Early Egyptian, retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape; it is the deepest red, almost black in color and of finer quality than the Egyptian, being sweeter and even more tender and smooth. The most desirable sort of small beets for early market. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

LONG SMOOTH BLOOD—An excellent late variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

HALF LONG BLOOD—The roots are about one-half as long as Long Blood, but on account of their thickness, weigh quite as much. Always smooth, very sweet, crisp, tender, never becoming woody, even portions above ground; we consider this the most valuable sort of recent introduction. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

MANGEL AND SUGAR BEETS

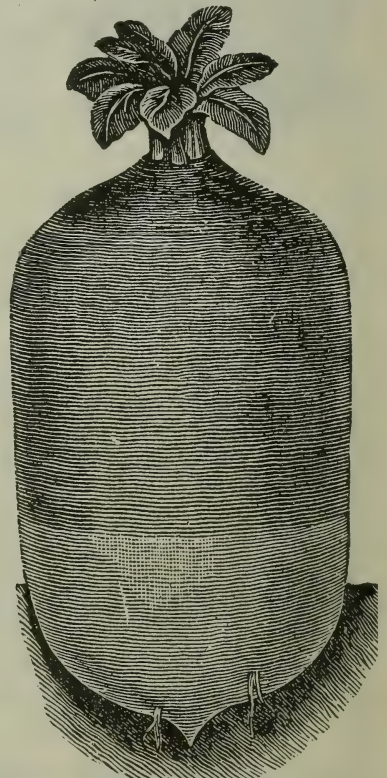
Culture—Sow in the early spring as soon as ground can be gotten in proper condition, in drills 2 to 3 feet apart. Cover the seed with 1 inch of soil and thin to stand about 8 to 12 inches apart in the rows. Use 1 ounce to 100 feet of drill, 5 to 6 pounds per acre. A light loamy soil is best. Cultivate frequently. Keep free from weeds.

MAMMOTH RED MANGEL—A celebrated variety, sometimes called Jumbo. A very heavy cropper growing enormous in size, but of fine texture and quality. Oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 60c.

FRENCH SUGAR—This variety unites capacity for a large yield with an exceedingly rich flesh, making it the best for cattle feeding. Oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 60c.

VILMORIN'S SUGAR—A variety out of which much sugar has been made abroad; skin a cream color, flesh white; an average of 15 tons can be produced per acre. Oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 60c.

GOLDEN TANKARD—Very showy, oval in form, flesh white, rich golden skin. Oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 60c.



Golden Tankard

BROCCOLI

German, Spargel Kohl.

French, Broccoli.

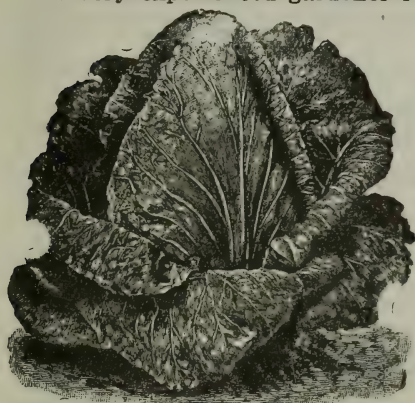
The Broccoli is similar to the Cauliflower. They will produce heads in October and November, and should any plant not be forwarded enough to use before severe frost, let it be removed to a light cellar, where it will head during the winter. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.00.

BRUSSELS SPROUTS, pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., \$1.00.

LONG ISLAND GROWN SELECTED CABBAGE SEED

Sow one ounce for 3000 to 4000 plants; 4 ounces for one acre.

CULTURE—For plants of the earliest sorts sow seed in January or February under glass, and prick out in flats or frames about 2 inches apart each way. Transplant to open ground as soon in spring as the land can be properly prepared. A rich, warm, fibrous loam is best. Have the plants in the rows 20 to 24 inches apart, and rows at least 2 feet apart. Give thorough cultivation, and irrigate in dry weather if practicable. Protect against the ravages of cutworm, maggot and green worm, dusting with tobacco dust, insect powder, etc.



Jersey Wakefield.

Every experienced gardener realizes the necessity of sowing nothing but the finest Cabbage seed obtainable. All our cabbage seed is raised on Long Island. There is much inferior foreign grown seed on the market and it costs never more than half what the Long Island does, and the crop will be just as inferior and as cheap as the seed.

EARLY JERSEY WAKEFIELD—The most popular very early cabbage with market gardeners all over the country. It is grown in enormous quantities for shipment to Northern markets. Unequaled for size, solidity, earliness, uniformity and trueness. Ours is a superior strain of seed. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

CHARLESTON LARGE WAKEFIELD—Larger and later than the above variety. Valuable market sort. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

EARLY WINNINGSTADT—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

SHORT STEM DRUMHEAD LOUISVILLE—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

EARLY DWARF FLAT DUTCH—This is a most valuable second early sort, having comparatively few and short leaves. Head large, nearly round or slightly flattened, very solid and uniform in size and shape. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

HENDERSON'S SUCCESSION—A very large, flat headed, main crop variety, and excellent in every point. Good for truckers. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

BURPEE'S ALL HEAD—An excellent variety for family or market garden. Large sized flat shaped heads. Quality very fine. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

HENDERSON'S EARLY SUMMER—A fine, large, early variety, valuable for market. Heads keep longer without bursting than most of the early varieties. Can be planted closely together on account of having few outer leaves. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

ALL SEASONS—This is a grand second early cabbage, of large size and A No. 1 quality. Is also valuable as a late sort. Larger in size than Early Summer. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

ST. LOUIS LATE MARKET—This variety originated at St. Louis, where for many years it has been the variety most largely grown. Is now extensively grown for market in nearly every state. It is unquestionably the best large late sort. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

SUPERIOR LATE FLAT DUTCH—This meritorious cabbage is so well known that a description seems unnecessary. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

LARGE LATE DRUMHEAD—Large, solid heads. A good shipper. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

DANISH BALL HEAD—The most solid headed and best keeper, but not of large size. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$1.75.

SURE HEAD—Rightly named Sure Head, never failing to make a remarkably fine, solid head, with few outer leaves. It is a strong, vigorous grower, ripening late for main crop and uniform in size and color. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.



St. Louis Late Market.

CARROTS

German Mochre oder Gelbe Rueben.

French, Carrote.

Crop Very Short.

Culture—The carrot will do well in any good, well-worked soil. For early use, sow the seed when the apple is in bloom, in rows fifteen inches apart, and when two inches high thin out so that the plants stand four inches apart in the row. For fall and winter use, sow the seed from the 1st to 15th of June. The roots may be stored in cellar or pit covered with dry sand, where they will keep fresh and solid, until late in spring. Sow 1 oz. of seed to 100 feet of drill, 2 to 3 lbs. to acre.



Danvers Half Long.

EARLY SCARLET HORN—A small, extra early sort, suitable for forcing or first early planting out of doors. They grow to a length of about two inches and almost as thick. When young, quite tender and fine grained. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

DANVER'S HALF LONG—Very productive and will thrive on all classes of soil. Deep orange color, first-class keeper. Best quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

LONG ORANGE—An old standard for general use. A sure and heavy cropper. Roots long, tapering, and of a deep orange color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

CHANTANEY—One of the finest of all carrots for home or market. Color deep orange red; about six inches long; stump rooted, smooth, and of excellent quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

but very thick, smooth and handsome; flesh fine grained, tender and sweet. A fine variety for early market; color orange yellow. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

BELGIAN CARROTS—Yellow Belgian—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c. Used for stock feeding. Long white Belgian—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

Five pounds or more of one variety of Carrots, not prepaid, at 10c less per pound.

CAULIFLOWER

German, Blumenkohl.

FINEST DANISH GROWN STOCK.

Culture—Cauliflower requires much the same treatment as early cabbage. A point to be remembered is that cauliflower requires cool, moist weather for its development:

it will not head in hot weather. The sowing should be made very early in the spring or early summer, so that the plants will reach maturity before or after the hot summer weather. Sow the seed the previous autumn and protect the young plants through the winter in cold frames, or sow in hotbeds very early during January or February. Transplant into deep, rich, moist, well-worked soil as soon as frost ceases, one foot apart in rows two feet apart. Cultivate very frequently. They should be kept growing rapidly. When the flower begins to form draw the leaves over and pin or tie them together to protect the heads from the sun. For early autumn use sow in June. Sow 1 oz. of seed for 3000 plants, 4 ozs. for one acre.



Snowball.

EARLY SNOWBALL—The best variety for general use. Of dwarf habit and produces fine large white heads in a very short time. Always tender and sweet. An excellent sort for either spring or fall planting. Our seed is grown in Denmark by a specialist and cannot be surpassed. Pkt., 20c; oz., \$2.50.

EXTRA EARLY PARIS—Very early and a reliable header. Large, white, solid heads of excellent flavor. A favorite with market gardeners because of its extreme earliness and large size. Pkt., 10c; oz., 75c.

ADAMS' EXTRA SELECT DWARF EARLY ERFURT—The best in general cultivation for forcing and open ground. Head close, compact and large, measuring from 7 to 10 inches in diameter. Plants are quite dwarf and seldom fail to form good size, symmetrical head of flower. Pkt., 20c; oz., \$3.00.

CHICORY—Large Rooted—Leaves and stems used as salad, like Endive; root edible; if dried, roasted and ground can be used like coffee. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

CHIVES—(Schnittlauch.) The Chives are small members of the onion tribe, leaves very slender and appear very early in the spring; can be shorn several times during the season and used for flavoring soups and salads. Bulbs, 20c per bunch postpaid.

COLLARDS—(Georgia.) Headless variety of cabbage, the leaves used for boiling. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

CELERYGerman, *Sellerie*.French, *Celeri*.

CULTURE—Sow in drills and tread the seed firmly in; thin out to an inch apart and keep the ground well worked and free from weeds; shade the young plants for a week or ten days and do not let the soil dry out. In order to secure stocky plants, cut off the tops once or twice before transplanting, which should be done before July, after the plants have attained a height of 4 to 6 inches. Sow 1 oz. of seed for 5,000 plants, 4 ozs. for one acre.

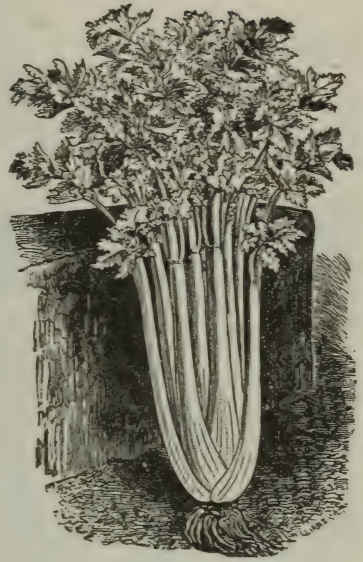
DWARF GOLDEN HEART—One of the best keepers through the winter. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

WHITE PLUME—This handsome sort is valued because naturally the stalk and portions of the inner leaves and heart are white; the whiteness does not show, however, until the plants are about one-third grown; it is unsurpassed for all use and the earliest celery in the market. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

PARIS GOLDEN SELF-BLANCHING—Similar to the White Plume in its self-blanching characteristics, but of a deep golden yellow color. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c.

GIANT PASCAL—Grows about two feet high; the stalks are very broad, thick and crisp, and of a rich nutty flavor. The heart is golden yellow, very full and attractive in appearance. It bleaches very easily and quickly. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.

CELERIAC, or TURNIP-ROOTED CELERY—Sow seed same as celery. Transplant in rows two feet apart, nine inches in the row. Thorough cultivation is necessary to secure good roots. Earthing-up is not necessary. Roots may be cooked or used as salad. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50.



White Plume.

CORN SALAD

CULTURE—For winter use sow shallow in rows, one foot apart, during August or September. The plants are ready for use in six or eight weeks. When winter approaches, give them a



very light covering of hay or straw. The plants are hardy and will remain green and fit for use all winter. The seed may also be sown early in spring. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 90.

CRESS, or PEPPER GRASS

CULTURE—A refreshing salad of easiest culture. As soon as the ground can be worked in the spring, sow thickly broadcast or in rows eight inches apart. Repeated sowings may be made every two weeks for a succession.



DWARF FINE CURLED—A small pungent salad of easiest culture. Seed should be sown early in rows about fifteen inches apart, and covered lightly; when two or three inches high it is ready for use. It is often mixed with lettuce and imparts a warm agreeable taste to the salad. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 50c.

TRUE WATER CRESS—Succeeds only where the roots and stems are submerged in water. A highly prized salad of a pleasant and agreeable flavor. Should be planted wherever a suitable place can be found for it. Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; 1 lb., \$3.00.

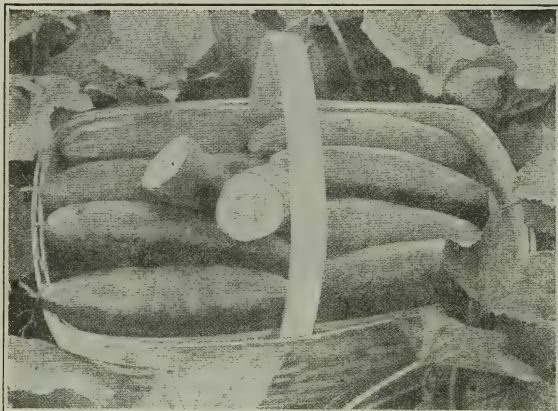
We deliver free all seeds, sold by the pound, ounce or packet, to any post office in the United States.

CUCUMBERS

German, Gurke.

Culture—Flourish best in a rich, warm, sandy loam. Sow when danger of frost is over, in hills 4 or 5 feet each way. As the young plant has many enemies, sow thickly half an inch deep, and thin out finally to three or four plants to the hill. Use one ounce of seed to 75 hills; two to three pounds to the acre. Gather cucumbers by cutting, not tearing. Leave none to ripen, if you want a full crop. Use Buhach, Bug Death or Slug Shot to keep down bugs.

French, Concombre.



Our Special Strain of Davis Perfect Cucumbers.

DAVIS PERFECT—A new variety and the best strain of the White Spine. This Cucumber grows long and slim, sometimes measuring 10 inches; color, a rich, dark, glossy green, which it holds until nearly ripe. Very tender, brittle and of fine flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

SHORT GREEN—Extra Selected—A very superior stock which has been carefully selected for pickling by an extensive pickle grower for upwards of twenty years, and we believe is today the most perfect strain in existence. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

KLONDIKE CUCUMBER—This has proven in every way a valuable acquisition, producing Cucumbers for every purpose for which Cucumbers are used; averaging from 6 to 8 inches in length; uniform in size; dark green color; retaining its color and a very prolific yielder. One of the best for home gardens, and a good market garden sort. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 25c; lb., 75c.

IMPROVED LONG GREEN—We have a superior strain of the well-known Long Green; is the most uniform long, straight, smooth and handsome of any we have ever seen. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

LONG GREEN TURKEY—An excellent variety. Good either for pickling or slicing; dark green; flesh firm and solid. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

BOSTON PICKLING—As its name implies, it is a choice pickling variety. Quite productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

CHICAGO PICKLE—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

NICHOLS' MEDIUM GREEN—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

JAPANESE CLIMBING—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.25.

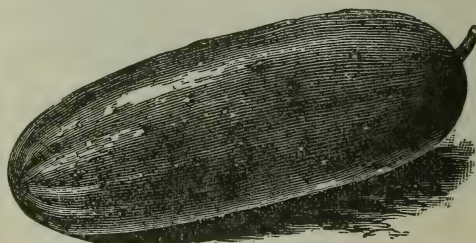
GHERKIN or BURR—Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

IMPROVED ARLINGTON WHITE

SPINE—This is a strain so universally popular for growing under glass, but is unsurpassed for open ground. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

EXTRA LONG, OR EVERGREEN

WHITE SPINE—Beautiful in shape and color. Fruit long and cylindrical, dark green; flesh white, crisp and tender; finest quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



Klondike.

WE WANT MARKET GARDENERS to have our **SPECIAL MARKET GARDENERS' CATALOGUE**. It gives lowest prices for Onion and other Seeds in quantity. It is intended for market gardeners only, and will be sent only to those who make a business of trucking.

SWEET CORN

German, Sueszkorn.

French, Mais.

(If by mail, postage 15c per quart, 8c per pint extra.)

Culture—Sweet corn always does well on sod land, or where clover has been turned down. Plant when danger of frost is over, in hills 2x3 feet, or 3x4 feet, according to variety. Give frequent and continued shallow culture. Leave two or three stalks to the hill, and make successional plantings until nearly mid-summer. Use one quart for 600 hills; six to eight quarts per acre. Cover seed with an inch of soil.

EXTRA-EARLY VARIETIES.

ADAMS' EXTRA-EARLY—Not a sugar corn, but largely grown for early use. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

EARLY MINNESOTA—One of the standard early sorts. Ready for market two weeks later than Cory or Chicago Market. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

PREMO—The earliest of all sweet corns, from 5 to 7 days earlier than Extra Early Adams and of the most delicious sweet flavor. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

MAMMOTH WHITE CORY—A new extra early variety and a great improvement on the old Cory. The ears are handsome, even, broad grained and very large for such an early sort. They are borne two and three on a stalk, making it a very productive variety. One of the best extra earlies for home or market. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

EARLY EVERGREEN—Like Stowell's Evergreen, only ten days earlier. Ears large, about 18 inches long, 12 to 16 rowed, and having the identical flavor of the famous Stowell's Evergreen. It remains green a remarkably long time and the kernels retain the sweetness and tenderness which is so characteristic of Stowell's. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

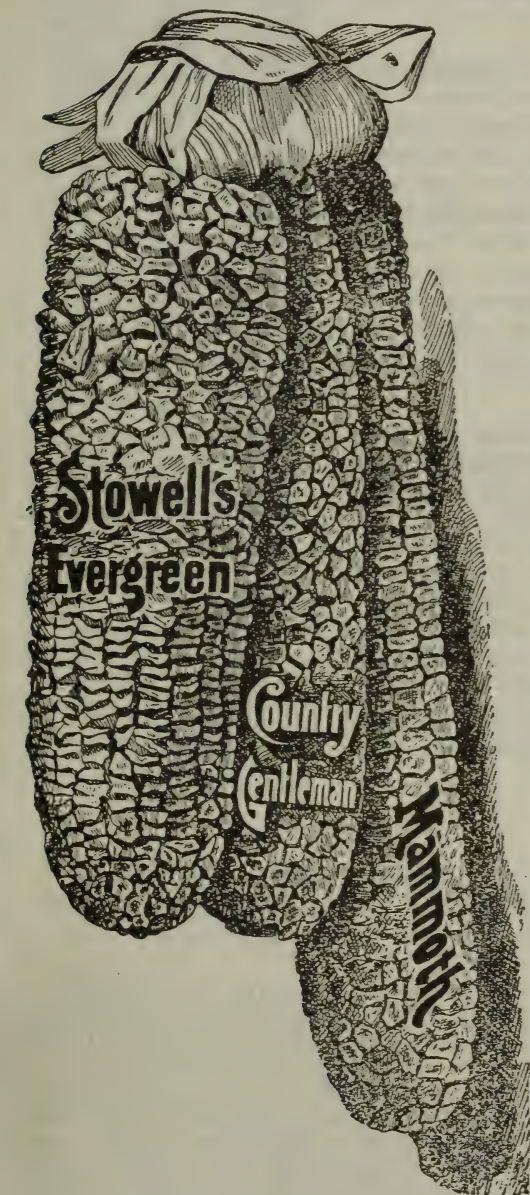
SECOND-EARLY SWEET CORN.

CROSBY—An old and popular variety, 12 and sometimes 14-rowed; grain thick and sweet; finest market sort. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

ADAMS' EARLY—Not a sugar corn, but grown extensively all over the country for market purposes. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

CHAMPION—A new and most desirable sort; ears nearly as large as Evergreen, and pure white; nearly as early as Minnesota; a splendid variety for market gardeners. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

COUNTRY GENTLEMAN, 70 Days—A short-stalked, productive sort, frequently producing 3 ears to the plant. Ears large for so small a stalk; grain narrow and very deep, after form of shoe-peg. Highly recommended as one of the very best. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.



EARLY MAMMOTH—Closely resembles the Late Mammoth, but is a little smaller, and about two weeks earlier. Of good size and quality. Pkt., 10c; qt., 20c; pk., \$1.25.

LATE VARIETIES.

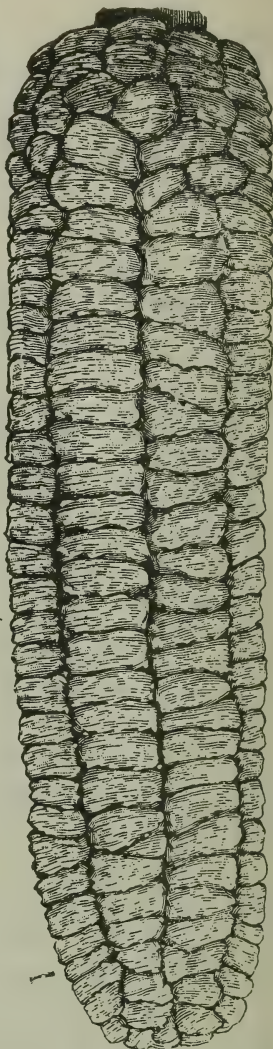
OLD COLONY—This variety is two weeks earlier than the Evergreen, and almost as large. It is considered the best and sweetest by canning factories. A fine paying variety for market. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

STOWELL'S EVERGREEN—The best late corn for all purposes. It has been a leader for many years as a main crop variety, and is unexcelled as a market corn. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

LANDRETHS' SUGAR—Many other sugar varieties are earlier than this, but we believe it is the best-all-round corn and the most desirable as a main crop in the family garden. Planters will find it remarkably satisfactory and astonishingly productive, two ears on every stalk, often three and sometimes four. Stalks two feet shorter than the Evergreen and very close-jointed and sturdy, never blowing over. The ears set low, large and well filled. The grain is narrow and deep, somewhat similar in shape to Evergreen, but smaller. The ear remains in an edible condition, which is a very great advantage. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

LATE MAMMOTH SUGAR—This is the latest, but largest of all the sugar corns. The ears are immense, and are of finer quality and flavor. Pkt., 10c; qt., 20c; $\frac{1}{4}$ bu., \$1.25.

GOLDEN BANTAM—This is a new very early corn and you will find it the sweetest and most tender corn you have ever tasted. It is deep yellow in color and very early, entirely different from the old Early Orange and much earlier. Can be planted thickly, and with us every stalk had from 2 to 3 perfect ears. The introducer says that on account of the firm substance of the cured grains it can be planted earlier than any other true sweet corn. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.50.



EGG PLANT

German, Eirfrucht.

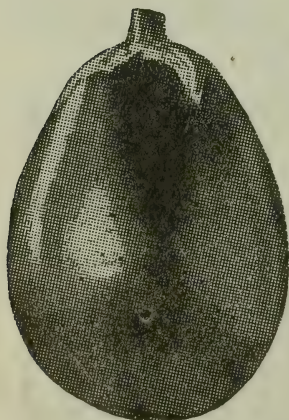
French, Aubergine.

Culture—Thrive well in any good garden soil. Sow the seed in hotbed or greenhouse in March or April, and when an inch high pot in 2 or 3 inch pots or spot out in shallow boxes 4 inches apart each way. Plant in the open ground, when danger of frost is past, in rows 3 feet apart each way. One ounce will yield 2000 plants; $\frac{1}{4}$ pound for an acre. To prevent blight and bugs use Bordeaux Mixture with arsenate of lead, Paris Green or Bug Death.

IMPROVED NEW YORK—Best variety in cultivation, a sure cropper and of fine quality. Plants are large and vigorous; fruit very large, oval and a deep purple color; flesh white and tender. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

BLACK BEAUTY—Fruit large, symmetrical and uniformly of a rich dark purple color. Fruits mature a little earlier than our Improved Large Purple, but are not quite as large. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50.

LARGE ROUND PURPLE—Twice the size of the New York Improved, very hardy and productive, and of superior quality. Pkt., 5c; oz., 35c; $\frac{1}{4}$ lb., \$1.25.



ENDIVE

German, Endivien.

French, Chicoree Endivie.

Two ounces of seed to 100 yards of row. Three pounds to the acre.

Sow in the spring as soon as the earth is free from frost, and repeat to within sixty days of autumn frost. Drill in rows of 2 feet and thin the plants to 8 inches apart. Tie up the loose leaves or cover with pots to blanch for salad. Valuable for salads and highly decorative as a garnish to table vegetables.

LARGE GREEN CURLED—A desirable salad when blanched. Popular as a garnish. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

WHITE CURLED—A variety of white tint. Used for decoration. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

MOSS CURLED—Green and extra curled. Used for decoration. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.50.

BROAD LEAVED—Called Escarolle in some districts. Follage broad and flat. Most productive. A favorite salad. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 45c; lb., \$1.25.

KALE, or BORECOLE

German, Blaetterkohl.

French, Chou Vert.

Sow in prepared beds, middle of April to beginning of May and transplant beginning of June, same as Cabbage. All the varieties are very hardy, and are best when touched with frost. One ounce to 1,500 plants.

PHILADELPHIA DWARF GERMAN GREENS, 60 DAYS—Sow in autumn for "sprouts" or "greens." Height 4 to 6 inches. Sow in permanent position. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

TALL CURLED SCOTCH—Manage as winter Cabbage. Desirable for winter use. Height 2 to 4 feet. Sow in beds and transplant. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

DWARF GREEN CURLED SCOTCH—Grows about 12 inches in height and spreads, under good cultivation, to three feet in diameter. The leaves are bright green, beautifully curled and very tender. Allow to get a slight touch of frost before using. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

KOHL RABI

German, Knollkohl.

French, Choux-raves.

A popular vegetable, intermediate between the Cabbage and the Turnip. Sow in drills from May to July.

One ounce to 3,000 plants.

EARLY WHITE VIENNA—A favorite market sort; flesh white and tender. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.



Kohl Rabi.

LEEK.

Porree oder Lauch.

Puerro.

LARGE LONDON OR FLAG—This leek, aside from being valuable for soups and salads, when blanched, makes an excellent dish, if sliced and cooked. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.



Garlic.

GARLIC

German, Knoblauch.

French, Ail.

The sets should be planted in well enriched soil early in spring, the rows one foot apart, and about three inches between the plants in the row. Harvest same as Onions.

SETS—Lb., 15c.

HORSE RADISH ROOTS

HORSERADISH ROOTS—Do best in rich, loose soil, set slanting and covered 2 inches. Per doz., 15c; per 100, 60c.

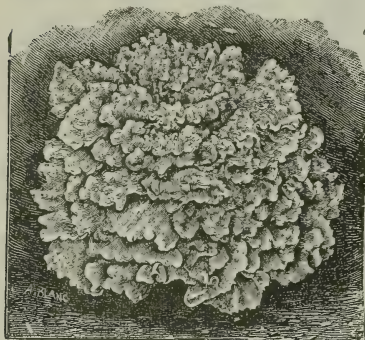
German, Salat.

LETTUCE

French, Laitue.

Culture—Sow the seed in hotbeds or flats during February or early March, prick the young seedlings out in flats or cold frame several inches apart each way, and, as soon as a nice, rich, warm spot can be prepared in open ground in spring, transplant the well-hardened plants in rows a foot apart, allowing 8 to 12 inches space between the plants in the row. For succession sow seed thinly in open ground, and thin the plants to 5 or more inches apart. Sow for succession every few weeks until the fall. Some varieties do well in a cool forcing house during winter.

LOOSE LEAVED VARIETIES.



Grand Rapids.

HEADING VARIETIES.

HANSON—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c.

ADAMS' GOLDEN FORCING—A very popular variety, originated on our market in Kansas City. Used largely by our market gardeners, either for open ground or forcing. Light in color; sometimes called Golden Forcing, and resembles the Denver Market, but not quite as near a head variety. This is used largely for forcing. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

MAY KING—A new variety from Germany, where it is a great favorite. It is very early, and being hardy will stand considerable cold, damp weather. It can be planted out of doors or under glass, and in either case will produce fine, solid heads much sooner than any other variety. The outer leaves are yellowish-green, tinged with brown, while inside it is rich golden-yellow. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.



White Simpson.

BLACK SEEDED SIMPSON—We have a fine strain of this lettuce carefully selected. This is the most popular sort on the market. Forms large, loose heads. Leaves thin and exceedingly tender, of light green to golden yellow. Best sort for forcing or outdoor early planting. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

GRAND RAPIDS FORCING—Preferred by a great many to the Black Seeded Simpson, on account of being a tougher leaved lettuce. This makes it a fine sort for shipping, as it does not break so easily, and stands longer without wilting. Fine appearance and strong grower, and will not rot as quickly as other sorts. A quick grower. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., \$1.00.

EARLY CURLED SIMPSON WHITE SEED—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c.



Black Seed Simpson.

TENDER HEART—Shows a remarkable combination of earliness, firm heading, handsome appearance and fine quality. It is equally good for forcing and open ground, and has proven of the finest quality at all seasons. It is the earliest and one of the largest of the heading varieties. The head blanches to a fine rich buttery yellow tint, and stands longer than any other early variety before going to seed. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

DENVER MARKET—This is a fine crisp, crimped head variety. It has a slight tinge of red at the edges of the leaves. The ribs are a waxy white, being tender and free from bitterness. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

CALIFORNIA CREAM BUTTER—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c.

WHITE PARIS COS—Has long narrow, upright leaves; does not head, but when tied up blanches very nicely. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

BIG BOSTON—Identical in color, shape and general appearance with the famous Boston Market, but is double the size. It is about one week later, but its solidity and greater size makes it a most valuable sort. Most desirable either for forcing in cold frames or open ground planting. Popular with market gardeners and truckers because it always produces large, solid, salable heads, which are crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



Big Boston.

ADAMS' ALL HEAD—A new, large, early head lettuce, with but few outside leaves, heads about 10 inches across and perfect. Its large heads are formed of waxy-cream colored leaves of extra fine quality, tender, crisp, succulent and sweet; and attractive and appetizing when served. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

PRIZE-HEAD—This variety has been in cultivation for many years and is well known to almost everyone. Forms loose heads; is slightly tinged with brown. Crisp and tender. Seed white. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 75c.

MELON, MUSK

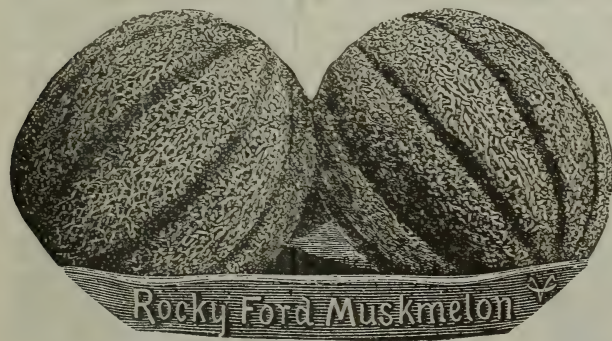
German, Melone.

French, Melon.

Culture—Plant seed in hills 4 to 6 feet apart each way, after danger of frost is over. Use well rotted manure in the hills. Insert seeds just under surface of soil; 1 ounce to 60 hills; 2 to 3 pounds to acre. Thin out, leaving only 4 plants to a hill. A light, warm soil is best, but there are varieties adapted to heavy loams, if well drained. In hoeing, draw the soil well up to the plants. Fight bugs with tobacco dust, Slug Shot, air slacked lime, land plaster, Bug Death or Buhach.

BURRELL GEM—The latest and best Melon on the market. A combination of the Rocky Ford and Acme. Shape elongated, rind thin and tough, meat of a reddish orange, very thick, fine grained and spicy; seed cavity very small and triangular and the seed held closely in place in three lobes. The popular Melon with hotels, restaurants and commission men. Sells for more money than any other melon on the market. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

ROCKY FORD IMPROVED—This valuable cantaloupe has today the largest sale of any melon on the general market. They are very uniform in shape and size, weighing from $1\frac{1}{2}$ to 2 lbs., skin green and thickly netted; flesh of light-green color and very sweet. The quality and flavor of these melons has never been equalled. It is a good keeper, hardy, and the best shipping variety ever introduced. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.



NETTED GEM—One of the earliest, best and most prolific small melons grown. They are globe shaped, uniform in size; flesh light-green and very fine in flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

HACKENSACK—A large, deeply netted melon, flattened at the ends, of most delicate flavor and very productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

ADMIRAL TOGO—This is an orange fleshed Netted Gem or Rocky Ford. We have developed in the Admiral Togo a small musk melon with the very thick, orange flesh and splendid quality of the Defender and possessing the characteristic netting, shape, size and shipping quality of Netted Gem or Rocky Ford. Combining all the good qualities of these two fine varieties we believe the Admiral Togo is an ideal table and basket melon. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

EXTRA EARLY CITRON—A decided acquisition among cantaloupes. Earlier than any other; large showy and of fine flavor. A variety which for its early maturity will be found profitable by all market gardeners, and desirable also in the private garden till others come into condition. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

BANANA—An entirely distinct variety, bearing long, slender, banana-like fruit. Skin creamy white and entirely free from netting. Flesh deep salmon color, thick and of good quality. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

Standard Sorts.

	Pkt.	oz.	$\frac{1}{4}$ lb.	lb.
Jenny Lind.....	5c	10c	25c	\$0.75
Emerald Gem.....	5c	10c	35c	1.00
Baltimore or Acme.....	5c	10c	25c	.75
Montreal Market.....	5c	10c	25c	.75
Large Green Nutmeg.....	5c	10c	25c	.75
Paul Rose.....	5c	10c	35c	1.00

WATERMELON

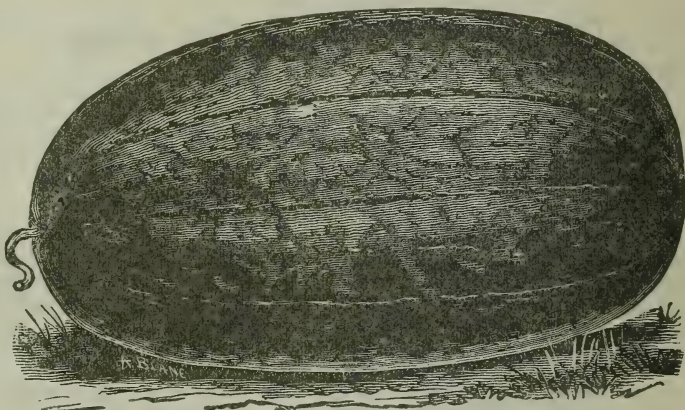
Culture—Watermelons do best on light, well drained soils, but there are varieties adapted to heavy loams. The hills should be 8 feet apart each way, with some well rotted manure in each hill, thoroughly incorporated with the soil. Plant the seed as soon as the weather is really warm and settled. One ounce of seed will plant 30 hills; 3 or 4 pounds of seed to the acre. Allow two or three plants to remain in each hill. Fight bugs with Bug Death.

FORDHOOK EARLY—

This is an extra early melon, of oval form, small in size, handsomely striped with light and dark green, of good quality. Desirable for home use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

KLECKLEY'S SWEET—

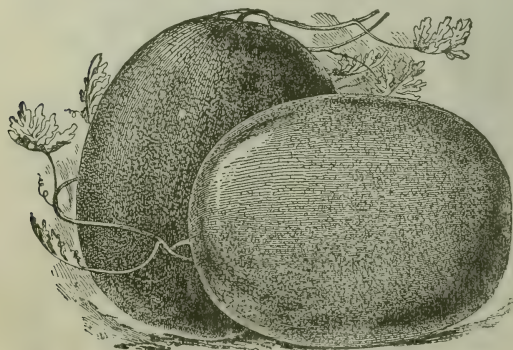
Large oblong melon; skin dark green; flesh bright scarlet; very sweet and sugary; one of the best melons that has been offered. If you have a home garden you can't afford to be without this. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



Kleckley's Sweet.

908. TOM WATSON—A large, oblong melon, the skin of which is dark green. It averages 18 to 24 inches long and 10 to 12 inches in diameter and weighs 50 to 60 pounds. The rind is thin, but tough, and flesh a bright, attractive red color, crisp, sweet and delicious. The heart is large with no core. The appearance and quality of this melon make it desirable for both home and market use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

HALBERT'S HONEY—A large and attractive melon, oblong shape; rind dark green, flesh crimson; very sweet and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



Sweet Heart.

SWEET HEART—Fruit large, oval, uniformly mottled, light and dark green; rind thin, but firm; flesh red, solid, melting and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

THE DIXIE—A cross between the Kolb's Gem and the Mountain Sweet; far superior to the former; larger, earlier and much more productive. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; 1 lb., 60c.

DUKE JONES—One of the largest and most productive melons. Solid dark green skin of firm appearance; solid red meat. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

ALABAMA SWEET—This is undoubtedly one of the finest shipping melons ever put on the market. It covers an unusually long season; coming in early, it continues to bear longer than most of the other varieties. It is of a large size, good in appearance and the flavor is delicious. The fact that it can be transported long distances will recommend it to all growers for market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c. Standard Sorts. Postpaid.

	Pkt.	oz.	$\frac{1}{4}$ lb.	lb.		Pkt.	oz.	$\frac{1}{4}$ lb.	1 lb.
Black Diamond.	5c	10c	15c	60c	Kolb's Gem.	5c	10c	15c	60c
Seminole	5c	10c	15c	60c	Mountain Sweet.	5c	10c	15c	60c
Florida Favorite	5c	10c	15c	60c	Cuban Queen.	5c	10c	15c	50c
Phinney's Early	5c	10c	15c	60c	Peerless or Ice Cream.	5c	10c	15c	60c
Pride of Georgia.	5c	10c	15c	60c	Triumph	5c	10c	15c	60c

Our Melon Seed is saved from choice melons, not from culls or left-over stock.

German, Champignonbrut.

MUSHROOMS

French, Blane de Champignon.

LAMBERT'S PURE CULTURE SPAWN—Mushrooms may be grown in any place where conditions of temperature and moisture are favorable. A shed, cellar or cave may be utilized to advantage for this purpose. It is essential that the temperature be maintained from 53 to 60 degrees F., and that the moisture be properly regulated. Lambert's Pure Culture Spawn is far superior to the old style varieties and much better results can be obtained from its use. The bricks should be broken into pieces about two inches square and planted from ten inches to a foot apart. With every order of 10 or more bricks of mushroom spawn we send free of charge complete instructions for mushroom culture. Bricks weigh from 18 to 24 ounces. A brick will spawn ten square feet of bed. With Lambert's Pure Culture Spawn it is impossible to raise poisonous mushrooms. Price, per brick, 25c. By express or freight, 10 bricks, \$2.00; 25 bricks, \$4.50; 100 bricks, \$15.00.

ENGLISH SPAWN—Per brick $1\frac{1}{4}$ lbs., 15c.

Write for our book, "How to Grow Mushrooms," price 25c postpaid.

German, Senf.

MUSTARD

French, Moutarde.

WHITE ENGLISH—Most desirable for salad and culinary purposes. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 35c.

BLACK OR BROWN—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 35c.

SOUTHERN GIANT CURLED—This mustard is very highly esteemed. Our stock is the true curled leaf. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

CHAMPION MOSS CURLED—Of vigorous growth, have beautiful dark-green leaves which curve outwardly like a fine ostrich plume. Most productive from early spring sowings, and also most stubborn in running to seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

German, Hibiscus.

OKRA OR GUMBO

French, Gombo.

1 ounce sows 50 feet of drill.

Culture—Sow in May and June, after the ground is warm, in drills three feet apart, cover the seed with about 1 inch of soil, and thin to 12 to 18 inches apart in the rows. Use 1 ounce of seed to 100 feet of row; 8 pounds to an acre.

WHITE VELVET—A valuable variety characterized by its round, smooth pods, free from ridges and seams. It is the most prolific Okra now offered, bearing 16 to 20 remarkably white pods per stalk; all well filled with tender well-flavored fruit, rich in mucilaginous properties. Dried in the shade the pods can be used for soups at any time. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

LONG GREEN POD—Dwarf plant, producing pods of unusual length, often 10 inches long when mature, very slim and of intensely green color. The best of all green sorts. Canned for winter use in large quantities. No other sort can compare with this. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

DWARF GREEN—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



German, Zwiebel.

ONIONS

French, Oignon.

Culture—Onions do best on a rich loam, previously cultivated for two years. Stiff clay and light sand are equally unfavorable. The land should be highly fertilized with well-rotted manure, complete fertilizers, etc. Fresh stable manure has a tendency to produce soft onions. Drill in 4 to 5 lbs. of seed per acre, one-half inch deep. If sets are wanted, use 60 to 80 lbs. of seed per acre. Six to ten bushels of sets will plant an acre. Fine marketable size onions (according to variety planted) are easily produced the first year from early spring sown seed. Culture should be frequent though shallow. The same ground may be used for onions, season after season, if well fertilized annually. Bone meal is an excellent fertilizer. Winter storage demands dryness and protection from sudden changes. Onions should never be handled while frozen.

EXTRA-EARLY RED FLAT—A very early and abundant yielder; mild flavored, of medium size, and a good keeper; bulbs same shape and color as Red Wethersfield, but two weeks earlier. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.60.

RED WETHERSFIELD—We confidently recommend our strain of this favorite onion as the very best ever offered. It grows with unusual regularity, and yields of over 1,000 bushels per acre have been reported to us from various sections. Onions weighing from one to two pounds are frequently grown from our selected strain in one season from seed. Extensively grown by gardeners who ship to distant markets. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

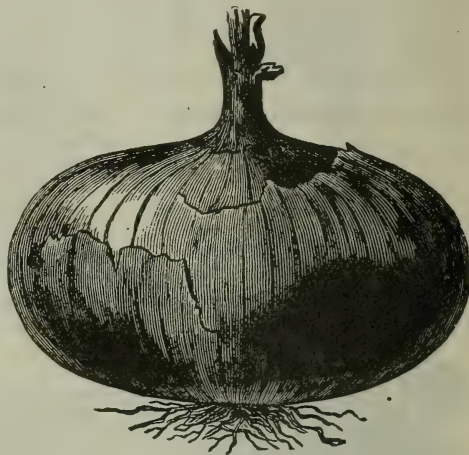
SOUTHPORT LARGE RED GLOBE, SELECTED—All grown from selected hand-picked bulbs, none but those perfect in size and shape being set for seed. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

YELLOW DANVERS FLAT—A good onion for home or market use. A trifle flatter than Yellow Globe Danvers. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

SOUTHPORT WHITE GLOBE, SELECTED—All grown from selected hand-picked bulbs, none but those perfect in size and shape being set for seed. Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.



Red Globe.



Red Wethersfield.

SOUTHPORT YELLOW GLOBE, SELECTED—All grown from selected hand-picked bulbs; none but those perfect in size and shape being set for seed. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

AUSTRALIAN BROWN—Long keeper, early, fine cropper. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

PRIZETAKER—Globe shape with a bright straw colored skin, small neck, grows to an enormous size from the seed the first year. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.50.

BERMUDA WHITE—These onions grow to an immense size. The skin is very thin, flesh white, fine grained, of mild and pleasant flavor. It will grow an onion from 1 to $1\frac{1}{2}$ pounds from seed the first season. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

RED BERMUDA ONIONS—Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

MAMMOTH SILVER KING—A large flat variety. The skin is pure white and flesh remarkably tender. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

WHITE PORTUGAL or SILVERSKIN—A large flat, white onion of mild and pleasant flavor; hard and fine-grained, and a good keeper. Extensively sown for sets, and is also largely grown for pickling. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

ONION SETS.

Red Bottoms, qt., 15c; $\frac{1}{4}$ bu., 75c; bu., \$2.50.

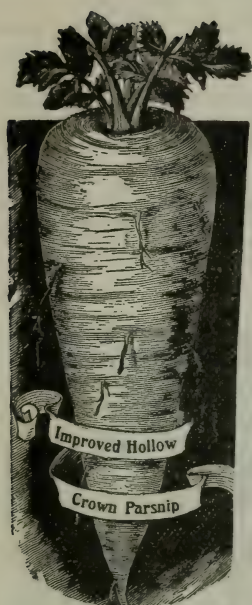
Yellow Bottoms, qt., 15c., $\frac{1}{4}$ bu., 75c; bu., \$2.50.

Red Tops, qt., 20c; $\frac{1}{4}$ bu., \$1.00; bu., \$3.50.

White Bottoms, qt., 20c; $\frac{1}{4}$ bu., \$1.00; bu., \$3.00.

White Multipliers, qt., 20c; $\frac{1}{4}$ bu., \$1.25; bu., \$4.00.

Winter Tops, qt., 10c; $\frac{1}{4}$ bu., 50c; bu., \$1.50.



PARSNIPS

German, Pastinake.

French, Panais.

Culture—Sow in early spring, in rows 2 to 3 feet apart, thin to 4 or 6 inches in the row. One ounce of seed will sow 200 feet of drill, 4 to 5 lbs. per acre in drills 2½ feet apart. Cover the seed ½ inch. Use rotted manure and fertilizer. Parsnips may be left in the ground all winter.

IMPROVED HOLLOW CROWN—Is the best bred and handsomest parsnip to be found. It is half-long, wedge-shape, hollow-crowned and very broad at the shoulders, and produces more tons to the acre than the longer and more slim varieties. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

GUERNSEY—Roots comparatively short, ending somewhat abruptly. Grows mostly below the surface. Has very smooth, clean skin, and is easily distinguished by the leaves arising from a cavity on the top or crown of the root. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

PARSLEY

German, Petersilie.

French, Persil.



DOUBLE CURLED or Myatt's Garnishing—No variety is more attractive when well grown; excellent for garnishing. Resembles a tuft of finely curled grass; is hardy and slow to run to seed. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

MOSS or Triple Curled—The leaves finely cut and curled of dark green color. Extra fine for garnishing and culinary purposes. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00.

Plain or single—Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

German, Pfeffer.

PEPPER

French, Piment.



Chinese Giant.

Culture—Sow the seed ½ inch deep in hot-bed, greenhouse or warm window, in March or April. After all danger of frost, set out in open ground. A warm, moist soil is best, with plenty of rotted manure plowed under. Set in rows 2 to 3 feet apart and 18 inches apart in the rows. Cultivate frequently throughout the season to keep the soil mellow and free from weeds. One ounce will produce about 150 plants; ¼ pound to transplant for an acre.

CHINESE GIANT—Is the earliest, largest and best of all the large red peppers grown, fully double the size of Ruby King. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

RUBY KING—A mild flavored pepper of large size, from four to six inches long by three and one-half to four inches thick. Unequalled by any other variety. Pkt., 5c; oz., 25c; ¼ lb., 75c.

GIANT CRIMSON—The earliest maturing of the extremely large, red sweet peppers and surpassed by none in evenness of size and shape. Larger than Chinese Giant; earlier than any of the other very large sorts. Pkt., 10c; oz., 40c; ¼ lb., \$1.25.

BELL, OR BULL NOSE—Very large and mild, glossy red variety. Pkt., 5c; oz., 25c; ¼ lb., 75c.

LONG RED CAYENNE—A long, slender red pepper, very hot and pungent. Pkt., 5c; oz., 25c; ¼ lb., 75c.

German, Erbse.

PEAS

French, Pois.

If by mail, postage 15c per quart, 8c per pint, extra.

Peas belong in three groups: Garden, field and edible podded. Garden peas are smooth or wrinkled. The smooth are earlier and most hardy. The wrinkled are sweetest. Field peas are of high value in stock feeding and green manuring. Edible podded peas are growing in favor.

Culture—Sow in earliest spring and make successional plantings every ten days until June 1. In the latter part of August sow early peas for an autumn crop. Drill 1 to 2 inches deep in rows $2\frac{1}{2}$ to 4 feet apart. In the field use no sticks. In garden culture sow in double rows 10 inches apart, and use supports for the tall growing varieties. One pint to 100 feet of drill; $1\frac{1}{2}$ to 2 bushels per acre.

EXTRA-EARLY VARIETIES.

ALASKA—The best early green seeded variety. Very early and uniform grower. A popular sort with canners and shippers. First-class in every respect. Height, $2\frac{1}{2}$ feet. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

AMEER—Seven to ten days earlier than Alaska which it resembles in growth, but pods are much larger and slightly curved. Pkt., 10c; qt., 35c; $\frac{1}{4}$ bu., \$2.25.

FIRST AND BEST—Ahead of all others in earliness and productiveness. It has held the lead for many years on the market, and is the best first early variety for the market gardener. It is very prolific and ripens so uniformly that the vines can be cleaned at one picking. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$1.75.

GRADUS, or PROSPERITY—Without doubt the finest extra early pea yet introduced, it is in condition to pick four days after Adams' Kansas City Extra-Early. The pods are very large and well filled, with large wrinkled deep green peas of the very finest quality. Height, 3 feet. Pkt., 10c; qt., 35c; $\frac{1}{4}$ bu., \$2.50.

THOS. LAXTON—The only rival to the famous Gradus—as a long podded extremely early wrinkled pea. The growth is identical, but the pods are a deeper, richer green and square at the end. In the opinion of some experts, Thos. Laxton is even sweeter and finer in flavor, while as the large peas are of a deeper green they present a more attractive appearance on the table. The crop ripens only three to four days after Gradus. Pkt., 10c; qt., 35c; pk., \$2.50.

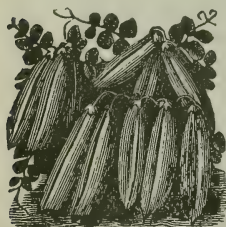
AMERICAN WONDER, 52 DAYS—Vine 6 to 8 inches high and very prolific in pods of striking form and size. In maturing it is among the first earlies. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$2.00.

NOTT'S EXCELSIOR, 54 DAYS—An improvement on American Wonder, a shade earlier and larger podded. Vine almost identical. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$2.00.

INTERMEDIATE SORTS.

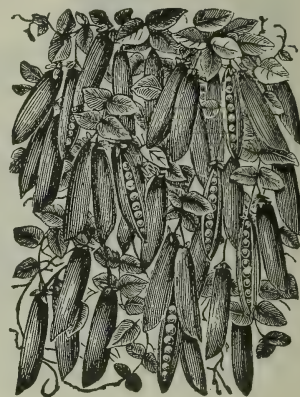
PREMIUM GEM—Dwarf, prolific green wrinkled marrow. Is very early and of good quality. Larger and more vigorous than American Wonder and later. Height about 15 inches. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$2.00.

BLISS EVERBEARING—Grows from one and one-half to two feet high, of branching habit, pods from three to four inches long, containing from six to eight of the very largest peas, of particularly rich flavor. Unsurpassed in quality and very productive, continuing a long time in bearing. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$2.00.



PRIDE OF THE MARKET—A round, blue pea, with pods of enormous size, well filled. Requires no sticks and unequalled for productiveness. Of vigorous growth, attaining a height of eighteen to twenty-four inches. Pkt., 10c; qt., 35c; $\frac{1}{4}$ bu., \$2.50.

IMPROVED STRATAGEM—Vine of medium height, but stout, with large, light green leaves, and bearing near the top a good number large, well-filled pods, fine quality. Pkt., 10c; qt., 35c; $\frac{1}{4}$ bu., \$2.50.



Adams' "First and Best."

Wholesale Prices to Market Gardeners and Truckers will be mailed upon application to all entitled thereto.

LATE VARIETIES.

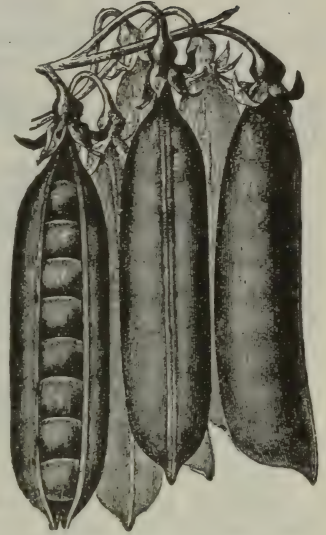
TELEPHONE—Very productive, of fine quality and excellent sugary flavor. Pods grow very large and closely packed. Pkt., 10c; qt., 35c; $\frac{1}{4}$ bu., \$2.50.

TELEGRAPH—67 DAYS—Height, $3\frac{1}{2}$ feet. Resembles Telephone except that the peas are deeper green and the vines more productive. Pods large and showy. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$2.00.

CHAMPION OF ENGLAND—Universally admitted to be one of the richest and best flavored peas grown, and very productive. Height, 4 to 5 feet. Pkt., 10c; qt., 30c; $\frac{1}{4}$ bu., \$2.00.

LARGE WHITE MARROWFAT—One of the oldest varieties in cultivation and a favorite market sort. Pods large, well filled and of excellent quality. Pkt., 10c; qt., 25c; $\frac{1}{4}$ bu., \$1.50.

BLACK EYE MARROWFAT—An excellent variety, growing about 5 feet high; pods large, a prolific bearer and can be recommended as one of the very best Marrowfat sorts. Pkt., 10c; qt., 25c; $\frac{1}{4}$ bu., \$1.75.



Telegraph.

PUMPKIN

German, Kuerbiss.

French, Cource.

Culture—Pumpkins will grow almost anywhere, but rejoice in rich soil. In many varieties the size and weight depend almost wholly on culture and fertility of the land. Many pumpkins are exceptionally good for pies; other sorts are fit only for feeding live stock. Plant in hills 8x8 feet. Use one-fourth pound for seventy-five hills; three to four pounds per acre. Put seed in ground in May or June. Fight bugs with Bug Death, slug shot or air slacked lime.

LARGE CHEESE or KY. FIELD—A popular variety. Fruit flattened, skin mottled light green and yellow; flesh tender; excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c.

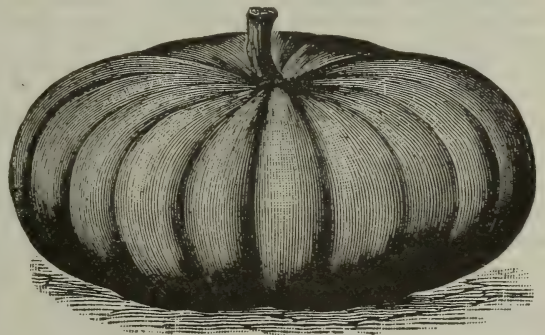
CONNECTICUT FIELD—One of the best for field culture; can be grown with corn, largely used for stock feeding. Deep, rich yellow color. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

KING OF THE MAMMOTHS—No other pumpkin ever introduced has ever reached such enormous weights. Flesh and skin of bright yellow, very fine grained, of splendid quality, and notwithstanding its enormous size, it is one of the best pie pumpkins grown, and a good keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

CUSHAW—A prolific variety; large size, frequently weighing 60 lbs. and over; color white striped and mottled with green. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

SWEET POTATO—Pear-shaped; size medium; creamy white in color, sometimes striped with green; flesh fine grained and very sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

SMALL SUGAR—Handsome and prolific; of small size, averaging about 10 inches in diameter. Skin deep orange yellow. Fine grained, sweet, dry and an excellent keeper, a good table variety. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.



Large Cheese.

German, Radies—Rettig.

RADISH

French, Radis.

NOTE—Our Radish Seed is French Grown.

In brisk demand in the markets at all seasons of the year, especially in winter and spring.
Seed pods sometimes pickled.



White Strasburg.

Culture—Sow in ground, well enriched with rotted manure. Quality depends on quickness of growth. The proper temperature is 40 to 65 degrees. Good ventilation is necessary, if grown under glass. Sow seed $\frac{1}{2}$ inch deep in the early spring in rows 12 to 18 inches apart; for a succession sow every 10 days. Cultivate frequently. One ounce to 100 feet of drill, or 8 to 10 pounds per acre. Thin to 1 inch apart for small varieties and 3 or 4 inches for the large varieties. Radishes will mature in from 3 to 5 weeks.

ADAMS' SCARLET TURNIP, WHITE TIP (Rosy Gem)—A very popular variety and largely grown for market. Small, round, turnip-shaped, of brightest scarlet, tipped with clear white; very quick to mature and handsome in appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

EARLY SCARLET TURNIP—The famous small round red Radish so much in demand everywhere. Crisp, tender, solid and brittle. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

ADAMS' SCARLET GLOBE—Twenty days to maturity. A small leaved variety well adapted to forcing under glass; root round and carmine colored, early, very attractive and desirable, fine for forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

FRENCH BREAKFAST—Olive shape; very mild and tender; scarlet, tipped with white. Is early and very attractive in appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

PHILADELPHIA WHITE BOX—This famous white turnip-shaped or globe-shaped Radish is the foremost of its class. It is an excellent Radish for forcing under glass or for growing in the open ground. Its short top and rapid growth make it a great favorite with market men, and its mild, sweet quality wins the favor of the consumer. Extensively grown by gardeners everywhere. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

EARLY WHITE TURNIP—Of the same size and form as the Scarlet Turnip, which is so well known. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

MARKET GARDENERS' EARLY LONG SCARLET—Longer than Scarlet Olive and shorter than the old Long Scarlet. An admirable long variety for forcing, fully ten days earlier than the Long Scarlet, and very superior to it for that reason. Twenty-three days to maturity. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

WOODS'S EARLY FRAME, LONG SCARLET—Shorter and thicker than the old Long Scarlet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

LONG SCARLET SHORT TOP—The well-known market variety. More of it used than any other sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

WHITE STRASBURG—Half long, very brittle and one of the best for summer use; a good heat resister. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

EARLY LONG WHITE VIENNA—An early long white variety of most superior quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

WHITE LADY FINGER (Landreth)—Of slender graceful form and remarkably crisp, brittle and tender. Not so good as Icicle for forcing, but has long been popular for open ground culture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

WINTER VARIETIES.

ROUND BLACK SPANISH—Grows to a large size; very solid. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

ROSE COLORED CHINA—Form conical; large size; firm and tender; of fine flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

ROUND SCARLET CHINA—Grows rapidly and holds its size and fine quality throughout the entire summer. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

CALIFORNIA WHITE MAMMOTH—One of, if not the largest Radish. Often a foot or more in length. Firm flesh and keeps perfectly. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.



German, Rhabarber.

RHUBARB OR PIE PLANT

French, Rhubarbe.

VICTORIA GIANT—This is a very large and late variety, with round stalks of great length and thickness; produces a succession of stalks the whole season; held in high esteem by the market gardeners. Pkt. 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

LINNEUS—Large and tender, very fine. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

RHUBARB ROOTS—50c per doz.; \$3.50 per 100.

**SALSIFY OR OYSTER PLANT**

German, Harferwurz.

French, Salsifis.

Culture—Also known as Oyster Plant or Vegetable Oyster. Treat about the same as carrot, except that salsify is hardier, and may be left in the ground all winter. Sow in drills a convenient distance 1 to 2 feet apart, and thin to 4 inches in the row. Cover seed about 1 inch. Use 1 ounce to 75 feet of row; 8 to 10 pounds per acre. Sow in April or May.

MAMMOTH SANDWICH ISLAND—This new Salsify, recently introduced from the Sandwich Island, grows fully double the size of the common variety, and is superior in quality. It is pure white in color and is invaluable to market gardeners. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

German, Spinat.

SPINACH

French, Epinard.

Culture—For early Spring use, sow seed in August or September, in rich soil. Upon approach of cold weather, cover the plants with 3 inches of straw or salt hay. In the Spring, when dry, remove litter and plants will be ready for use in a short time. Sow seed 1 inch deep in rows 1 foot apart or broadcast. For a succession, sow every two weeks from April to August. Use 1 ounce to 100 feet of drill; 8 to 10 pounds per acre in drills; 12 to 15 pounds broadcast.

BLOOMSDALE, or SAVOY LEAVED—Of upright growth; leaves curled and crimped, thick and fleshy. Keeps well after cutting. Suitable for fall sowing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 25c.



Bloomsdale.

LONG SEASON—A splendid new spinach, forming a rosette of dark green thick, succulent, crumpled leaves, which remain fresh long after cutting. No other variety will stand so long without running to seed. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 25c.

LONG STANDING—Leaves dark green and thick. Not inclined to run to seed for a long time. Very popular with market gardeners. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 25c.

ROUND THICK LEAVED VIROFLAY—Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 25c.

FREE

Home Floriculture or 25c worth of Garden Seeds extra in packet for every \$1.00 remitted for packets and ounces only.

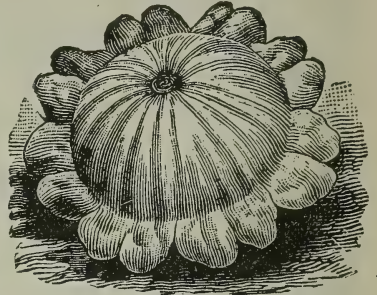
FREE

SQUASH**German, Speise Kuerbis.****French, Courge.**

Culture—About the same as melons. Make the ground very rich. A good sandy loam is best. The squashes are all tender, and the seed should not be planted until warm weather. Allow 4x4 feet for the hills or the bush squashes and 8x8 feet or more for the running varieties. Four plants to the hill; 3 to 4 pounds of seed to the acre. For summer squashes estimate 2 ounces to 100 hills; for winter squashes 4 ounces to 100 hills. Use Bug Death, Buhach or Slug Shot to keep down the bugs.

MAMMOTH WHITE BUSH—The fruit is beautiful, clear, waxy-white instead of the yellowish white so often seen in the old stock, and is much larger. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

YELLOW SUMMER CROOKNECK—This famous variety is best for the home garden in summer, being an ideal baking sort as well as being enormously productive. Is of a bush form. Small crooked neck, with warts. Shell very hard when ripe. An elegant variety in every respect. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



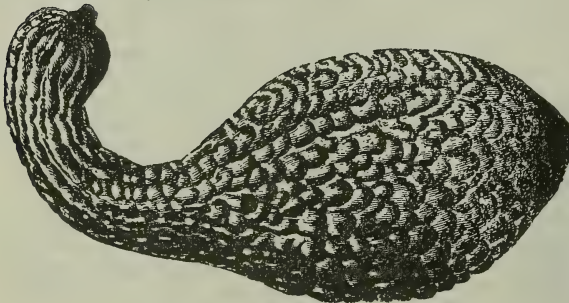
Mammoth White Bush.

WINTER VARIETIES.

HUBBARD—The leading Squash for fall and winter use. Flesh dark yellow, fine-grained, being an ideal cooking variety. Very dry, sweet and rich. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

CHICAGO WARTED HUBBARD—Is an exceptionally good keeper. Is larger than the original Hubbard and in addition is "warted," which indicates a hard shell and a long keeper. It also denotes fine quality. A great improvement over the old Hubbard. Fine for market or shipping. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

WINTER CROOKNECK—This celebrated variety is too well known to need any introduction. Skin green, mottled and striped like kin. Long, solid neck. Dry, sweet flesh. Fine keeper. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.



Winter Crookneck.



Warded Hubbard.

German, Tabak.**TOBACCO**

HAVANNA—From pure Cuban grown seed. When grown in this country commands a high price for cigar stock. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

MISSOURI BROAD LEAF—Extensively grown in Kansas and Missouri; the large, broad leaves are used for the wrappers. Pkt., 5c; oz., 25c; ¼ lb., \$1.00.

WHITE BURLEY—Largely used for the manufacture of cigars, as the leaf of this variety readily absorbs a large quantity of manufacturing material. Pkt., 5c; oz., 50c; ¼ lb., \$1.50.

MARKET PRICES—Whenever you desire to buy Grass Seeds, Seed Grains, Seed Corn, Seed Potatoes, Onion Sets and other seeds in large quantities, send us a list of your wants and we will promptly quote you lowest market prices.

German, Liebesapfel.

TOMATOES

French, Tomato.



Culture—Sow the seed in February or March in a hotbed, greenhouse or in shallow boxes in the house, in rows 4 to 6 inches apart and half an inch deep. When the plants are about 2 inches high transplant to 3-inch pots or into shallow boxes 4 inches apart each way. Transplant in the open ground after all danger of frost is past, 3 to 4 feet apart each way. Cultivate frequently. One ounce of seed will produce 3,500 plants, enough for an acre.

LIVINGSTON'S BEAUTY—This standard Tomato is too well known to need any introduction. It ripens with Acme and Perfection, and is a model in beauty and shape, being entirely free from rough specimens. Grows in large clusters and retains its large size late in the season. It is very valuable for shipping and for early market. Color, "purple." Pkt., 5c; oz., 25c; ¼ lb., 65c; lb., \$2.00.

ACME—The celebrated pinkish-purple Tomato, which is such a favorite with truckers. Of perfect round form, and

very smooth. Size is medium, but is very productive variety, and early. Has firm, solid flesh and thin skin. One of the oldest and best varieties. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

ADAMS' EARLY TOMATO—The largest and best in shape of the Early 'Purple Pink Tomatoes. Vine vigorous and very productive. It matures 4 days later than the Dwarf Champion—is uniform in size, nearly globe shape, heavy, firm, smooth and well adapted for shipping. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

TRUCKERS' FAVORITE—A very large purple Tomato of superior quality, solid and free from cracks. An ideal shipper and a superb variety for the table. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

DWARF CHAMPION—This famous Tomato is a favorite home garden variety. Its stiff, upright stalks are so sturdy as to hold the fruit well above the soil, even without stakes or supports. It is early and larger than most extra large sorts. Medium to smaller in size—smaller than the great midsummer types. Of superior table quality. Resembles the Acme in color; very productive. A sure cropper. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

DWARF STONE—A dwarf sturdy plant like the Dwarf Champion in habit, but of stronger growth. The fruits are large and resemble the original Stone. The shape is perfect, with good skin, very solid flesh and of excellent flavor. The plants are very stocky and do not spread much. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

MATCHLESS—A bright red, main crop variety. A splendid keeper and shipper. Less liable to crack in wet weather than most sorts. Fine for market or table. The plant is a strong grower. The fruits are large, perfectly smooth, free from core, with very small seed cavity. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

PONDEROSA—This mammoth Tomato is a great favorite for the home garden because of its immense size, stone-like solidity, delicious quality and beautiful appearance, whether stewed, sliced, fried, stuffed and baked or canned. Contains very few seeds; is all "meat" and of perfect form. Is valuable to grow for market, and forces under glass. Color, glowing crimson. A very heavy yielder. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.00.

FAVORITE—Early, large, blood red. 5c

TROPHY—Very large, later sort. 5c

NEW STONE—Bright scarlet. 5c

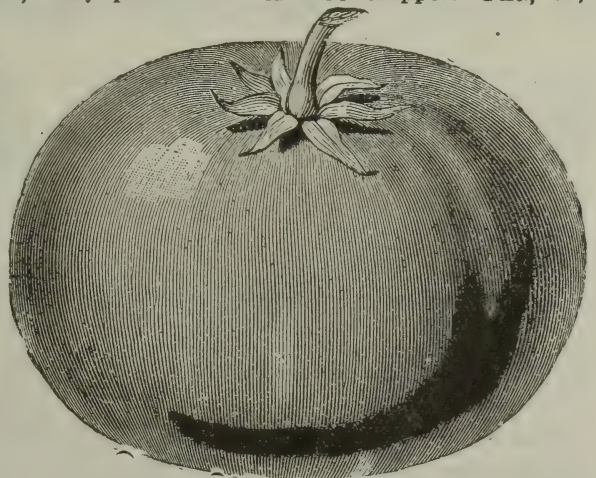
EARLIANA—Extra early, fruits, large red. 10c

SMALL FRUITED SORTS {

PEAR RED—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$3.00.

PEAR YELLOW—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$3.00.

PLUM YELLOW—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$3.00.



Dwarf Champion.

Pkt.	Oz.	¼ lb.	1 lb.
5c	20c	60c	\$2.00
5c	20c	50c	1.75
5c	20c	50c	1.75
10c	20c	60c	2.00

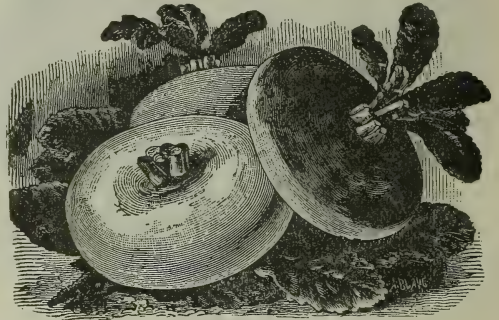
TURNIPS

German, Weisse Ruebe.

French, Navet.

Culture—Sow early varieties in April, in drills 12 to 18 inches apart. Cover seed $\frac{1}{2}$ inch and thin out to 4 to 6 inches in the row. Cultivate frequently. For succession, sow at intervals until the last week in May. For Fall and Winter crop, sow in July or August in drills or broadcast. Use 1 ounce to 250 feet of drill; $1\frac{1}{2}$ pounds to acre in drills, or $2\frac{1}{2}$ pounds broadcast.

PURPLE TOP MILAN—Extra Early—The earliest in cultivation. The bulb is very flat, of medium size, quite smooth, with bright purple top; leaves few, short and of light color, growing very compact and making an exceedingly small and neat top. The pure white flesh is of the choicest quality; hard, solid and fine grained. It is an excellent keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.



PURPLE TOP (Strap Leaved)—This is an early variety and a great favorite for table use; form exceedingly flat like a broad disk in shape, and of medium size, color purple or dark red above ground, white below, flesh white, fine grained and tender. Popular for garden or field culture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

LARGE EARLY RED TOP GLOBE, 65 DAYS—Large size, rapid growth, unusually attractive and admired by all. A very much heavier producer than either of the preceding. We confidently recommend it as an acquisition. Maturing in sixty-five days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

BLOOMSDALE SWEDE, or RUTA-BAGA (Maturing in 90 Days)—The Bloomsdale is quite wonderful in its fine breeding. In nothing that we offer are the effects in selection and in careful breeding so apparent as in this Ruta-Baga. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

HERBS—SWEET, MEDICINAL AND POT.

	lb.	$\frac{1}{4}$ lb.	oz.		lb.	$\frac{1}{4}$ lb.	oz.
Anise.	\$1.00	30c	10c	Horehound.	2.50	75c	20c
Basil, Sweet.	1.50	45c	15c	Lavender.	1.40	40c	15c
Borage.	1.25	40c	15c	Marjoram, Sweet.	1.25	40c	20c
Caraway. . . . .	.65	20c	10c	Sage.	1.75	50c	15c
Coriander. . . . .	.75	25c	10c	Summer Savory.	2.00	60c	25c
Dill. . . . .	.50	20c	10c	Thyme.	2.75	85c	30c
Fennel, Sweet. . . . .	.85	25c	15c	Sorrel.	1.50	50c	20c

THE MAKING AND CARE OF HOTBEDS AND COLD FRAMES.

Cold Frames: Fill the frame with soil to within six inches deep in front and eight or nine inches in back. Make shallow drills three or four inches apart across the face of the soil in the frame and in these sow the seeds, covering them thinly and tamping them gently, then water them moderately through a fine hose. Now put on the sash and keep all snug and warm until the seedlings appear, when the sashes should be tilted up during the day to admit fresh air freely to make the plants sturdy.

Hotbeds: A hotbed is a cold frame, placed upon a quantity of fresh horse stable manure, and is usually made ready in February or March. Prepare manure by making it into a compact heap, watering it if dry. In a few days active fermentation will be in progress, when the heap should be turned, watering again, if necessary, shaking out the lumps. The aim is to induce an active, and uniform fermentation of the whole mass and to have it continue for some time after the soil is placed on it. Select a well-drained spot with a depth of fifteen to eighteen inches, fill in with manure, well tramped, place the frame on it, then put three or four inches of good soil uniformly over the surface. Some manure should be thrown up against the outer boards, which will help to hold the heat. Put on the sash, keep tight for three or four days until hot. When temperature falls to 75 degrees, seed may be sown with safety. The temperature in a hotbed should not be allowed to go above 70 degrees in the day, nor below 50 degrees at night, and should be covered with straw or carpet at night in cold weather, but this covering should be removed in the day-time.

Flower Seeds

We have selected for these pages the best and most popular flowers. They are easy to grow, give a profusion of bloom and a glittering brilliancy of varied colors.

There are many other beautiful and useful flowers which may be grown, but these are the first choice and there are more listed than can be sown in one large flower garden.

Flower Seeds are 5c per Packet except where otherwise priced. We pay the Postage on all Flower Seeds.

ASTERS—Comet Giant Mixed—More like Chrysanthemums. Long wavy, twisted petals. Large flowers, rich colors. 18 inches. Packet, 10c.

AGERATUM—Mexicanum Mixed (Floss Flower)—One of the best bedding plants, next to geraniums. Blooms continuously. Blue and white. 1½ feet.

ALYSSUM—Little Gem—Pure white; fragrant. For cutting and bedding. Very fine.

ANTIRRHINUM—Majus Mixed (Snapdragon)—Exceedingly bright and rich colors. Good house plant after finishes blooming all summer.

BACHELOR'S BUTTON—Showy annual of easy culture, flowering freely with variety of color, in common garden soil. Height 2 feet.

BALSAM—Double Rose Flowered Mixed—Resembles little roses. Fragrant. Very popular. About 18 inches.

CARNATION—Perennial Varieties—Carnations are general favorites for their delicious fragrance and richness of colors. Seeds sown in open ground in May or June will flower splendidly the next season. They are nearly everywhere hardy, but in cold situations should be protected by straw. The only Carnation that blooms the first season from seed is the new Giant Marguerite.



Calliopsis.



Double Portulacca.

CHRYSANTHEMUMS—New and unique varieties. They are extremely variable, some are pure white, yellow or crimson, but the prevailing types are bronzy yellow, the florets tinged with red or lilac rose. Although mostly very double, there will be an occasionally semi-double, or even single, but these are almost equally charming. Finest mixed colors.

CALLIOPSIS—Superb Hybrids Mixed—Unlike other calliopsis this variety is a fine bedding plant as well as for bouquets. Very profuse bloomer. About 14 inches.

COREOPSIS LANCEOLATA—Flowers large, single, golden yellow. For generosity of bloom there is nothing to compare with it and it will bear cutting from better than any other plant; at the same time it is always graceful. It can be grown freely from seed, and does well when treated as an annual. Packet 10c.

CANDYTUFT—Dwarf plants, flowering profusely throughout the whole season; great favorites for beds, edging, pots, borders, etc. Mixed annual sorts.

CATCHFLY—(Silence)—A showy, free flowering plant with bright, dense heads of flowers, growing well in common garden soil. Adapted for border, circular beds and ribbons. Height 18 inches; hardy annual.

COSMOS—The plant grows from four to six feet high, and is literally covered with large, single, Dahlia-like flowers, ranging through all shades of rose, purple, white, etc. Splendid for cutting; foliage feathery; mixed pkt., 5c; oz., 40c.



Candytuft.

DAHLIAS—Single Mixed—The single Dahlias raised from seed are simply exquisite. They are very easily grown. Sow in a box indoors in February or March, transplanting to pots as the plants commence to crown and into the open ground when warm. Everyone plant a packet of this seed this season. Pkt., 10c.

GOURD—Nest Egg—Grows exact size, color and shape of an egg and makes a very good nest egg. Pkt., 5c.

THE DIPPER—When grown on the ground the stem will be curved, while if raised as a climbing vine, weight of the blossom end will cause stem to grow straight. Dippers of a capacity from a pint to a quart can be had from a few vines. Pkt., 5c.

SUGAR TROUGH—Selected Stock—Grows to a very large size; holds from four to ten gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. Pkt., 5c.

DISH CLOTH, OR LUFFA—The peculiar lining of this fruit, which is sponge-like, tough and durable, makes a natural dish cloth. The fruit grows about two feet in length and the vine is very ornamental. Pkt., 5c.

GAILLARDIA—Giant Hardy Hybrids—Rich velvety colors. Excellent for cutting.

ESCHSCHOLTZIA—Mixed—(California Poppy.) Beautiful yellow. About 1 foot.

HOLLYHOCK—Allegheny Fringed Mixed—Very different from the ordinary old-fashioned Hollyhock. Blooms very early. Flowers very large, fringed and are produced the first year if seed is sown early. Pkt., 10c.

HELIOTROPE—Lemoine's Giant—Immense heads of fragrant bloom. Great improvement over the ordinary kind.

LANTANA—Hybrida—Well-known shrubby plants with clusters of verberna-like flowers and producing their pink, yellow, orange and white heads in great abundance. They have an agreeable aromatic perfume. Pkt., 5c.

LARKSPUR—Dwarf Rocket Mixed—The annual Delphinium. All colors. About 1 foot.

MARIGOLD—French Dwarf Mixed—This grand old flower is now coming again into great popularity. Excellent for bedding and blooms until late frost.

MARVEL OF PERU—(Four O'clock)—Mixed. A universal favorite. All colors.



Dwarf Nasturtium.



Single Dahlias.



Mignonette.

MIGNONETTE—Large Flowering Mixed—The most popular fragrant flower for the garden.

NASTURTIUM—One of the showiest and most popular annuals, forming compact plants; not over one foot high, making gorgeous masses of color from early summer until killed by frost; succeeding under all weathers and conditions, and unsurpassed for garden decorations. **Tom Thumb**, mixed, many sorts, pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb. \$1.00.

Tall Mixed, many sorts, pkt., 5c; oz., 10c.

Lobbs—As easily grown as the common Tall Nasturtium, which they far surpass in brilliancy of their flowers, in height, rapid growth and freedom of bloom. Pkt., 5c; oz., 10c; ¼ lb. 25c; 1 lb., 75c.

IPOMEA—Grandiflora—"The Moon Flower" or "Evening Glory." One of the grandest summer climbers grown, bearing immense pure white, fragrant flowers in great profusion, opening in the evening and remaining open until noon the following day, if cloudy all day. Pkt., 5c.

IPOMEA PURPUREA—"Morning Glory"—The well known Morning Glories; splendid climbing plants; unequaled for rapidity of growth and profusion of bloom; annuals; attaining a height of 30 to 50 feet. Finest mixed, pkt., 5c; $\frac{1}{4}$ lb., 25c.

IPOMOPSIS—(Tree Cypress)—Handsome plant, with a fine, feathery foliage, like Cypress Vine. It has long spikes of very beautiful, dazzling scarlet, fine spotted flowers. Pkt., 5c.

JOB'S TEARS—Curious ornamental grass from East India, with broad, corn-like leaves and seeds of a light slate color, wonderfully lustrous. Valuable for the formation of winter bouquets in connection with everlasting flowers, and strings of handsome beads are formed from the seeds. Height 3 feet. Hardy annual. *Coix Lachrymae*, pkt., 5c.

PANSY

These lovely flowers are favorites with all, not only for the modest brilliancy and variety of their colors but for the durability of their bloom.

TRIMARDEAU—Very large flowered, mixed. An entirely distinct and beautiful race with flowers of the richest and most varied shades of colors. Plants of vigorous, compact growth. The flowers, which possess unusual substance and consistency, are each marked with three large blotches or spots.

Pansies. Odier, Cassier and Bugnot's.

Pansies. Giant Trimardeau.

Pansies. Germania Masterpiece.

Pansies. Non Plus Ultra.

Pansies. Trimardeau Parisian.

PINKS.

Splendid, large flowers of the richest and most brilliant colors and markings; constantly in bloom from July till after severe frosts; the first and also the second year. No flower excels this genus for a brilliant show of colors through the summer. Height, 1 foot.



Pinks.

DIANTHUS CHINENSIS—Double China—Mixed, packet 5c; $\frac{1}{4}$ oz., 15c; oz., 50c.

DIANTHUS HEDDEWIGII—Double Hedde-
wighi—Mixed, packet, 5c; oz., \$1.

DIANTHUS HEDDEWIGII—Single, mixed, packet, 5c.

DIANTHUS ALBUS FLORE PLENO—Double White—Packet, 5c.

PHLOX.

No flower excels this in all the qualities that make a popular annual. Brilliant and varied colors; continuous and profuse bloom; being one of the last to succumb to the frosts of late October; it is excellent for bouquets; all combine to place it in the list of the best half dozen flowers for garden decoration. Height, 18 inches.

PHLOX DRUMMONDII—Mixed, packet 5c; oz. 60c.

PHLOX DRUMMONDII—Grandiflora, large flowering, mixed, pkt., 10c; oz., 80c.

PORTULACCA—Brilliant, dwarf annuals, luxuriating in warm situations and blooming profusely from early summer to autumn. Height $\frac{1}{4}$ ft.

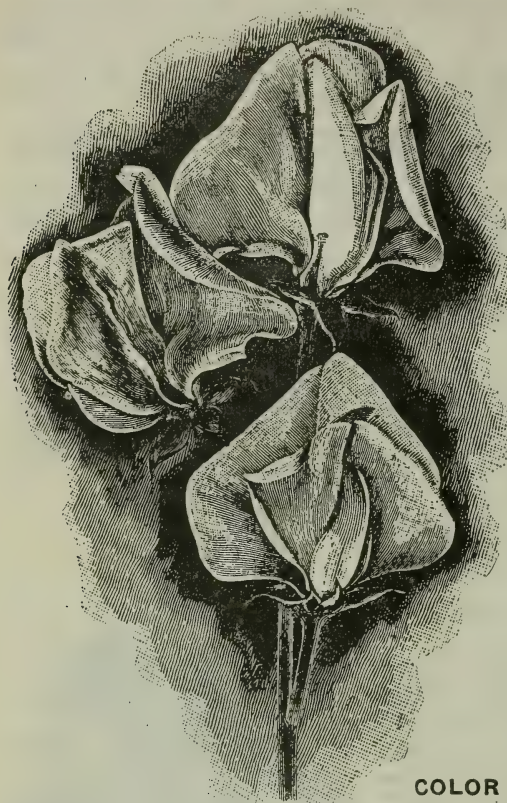
POPPY—(Papaver). A well known flower of great profusion. Single and double mixed, a grand collection of the annual varieties. Pkt., 5c; oz. 20c.



Pansy.



Poppy.



SWEET PEAS

Beautiful, Fragrant, Fashionable.

Sowing should be made in well-prepared ground as early as it can be worked. The plants should not, however, be sown two successive seasons on the same ground. It will be found a most excellent plan to make a trench about 6 inches deep, in which plant the seeds, covering at first to a depth of 2 inches; gradually draw in the soil as they advance in growth; this will greatly aid the plants to withstand our hot summers. Never allow them to run to seed, as once in the seed pod they are finished for the season. The more you cut, the greater the quantity of blooms they will produce.

MIXTURES OF SWEET PEAS.

Adams' Mixture of the Latest Introductions—This mixture met last season with the unstinted praise of our numerous customers. We have again carefully selected the varieties and added all the meritorious new ones to the mixture. The colors are mostly pink and white shades, with a sprinkling of the other colors to give it tone. Only the best of the large-flowering types have been used, and we claim this to be an **Extra Select Mixture**. Per large pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

Of the named varieties we have selected the best bloomers and will please any lover of Sweet Peas.

COLOR LIST.

Dorothy Eckford.
Sadie Burpee.
Emily Henderson.
Modesty.
Mont Blanc.
White Wonder.
Duke of Sutherland.
Florence Spencer.
Astra Ohn Spencer.
Earliest of All.
Miss Wilmot.
Prima Donna.
Hon. F. Bouvrie.
Dainty.
Apple Blossom.
Earliest of All.
Aurora.
Salopian.
Prince of Wales.
Mrs. Dugdale.
Cocinea.
Lady Hamilton.
Admiration.
Emily Eckford.
Lottie Eckford.
Duke of Westminster.
Othello.
Black Knight.

White, the largest and best.
White, almost like the above.
White, strong grower, free bloomer.
White, pink at edges.
Pure White.
Pure White Double.
Dark Violet & Purple.
Delicate Blush Pink Margin.
Pinkish Lavender.
Rose & Light Pink.
Standard Orange Pink.
Pure pink, large, hooded.
Deep pink at base, light at edges.
Pure white, edged with pink.
Crimson pink, lighter at edges.
Rose and light pink.
Orange rose, striped with white.
Pure red, self colored.
Rose crimson, prolific bloomer.
Crimson rose, large, hooded.
Scarlet and crimson.
Lavender with mauve shades.
Light purple and mauve.
Rose purple, changing to lilac.
Standard white, shaded with lilac.
Clear purple.
Violet and maroon.
Deep maroon, veins almost black.

RICINUS—CASTOR BEAN

NEW ZANZIBAR—A new and distinct class, which surpass in size and beauty all the varieties heretofore known. The plant grows from 10 to 15 feet high, and the leaves measure about 30 inches across. Mixed varieties, $\frac{1}{2}$ oz., 10c; pkt., 5c.

SALVIA—(*Salvia Splendens*)—The *Salvia* or Flowering Sage is a very ornamental plant, flowering in spikes and continuing in bloom in open ground until frost, when the plants can be removed to a green house and will continue in bloom a long time. This variety is of a dwarf habit. Height 1 foot. Pkt., 5c.

SCABIOSA—Summer plants suitable for the border, producing double flowers of great beauty and in a great variety of colors. Fine for bouquet. Large flowering double mixed.

STOCKS or GILLIFLOWER—These well-known favorites require no description; they are indispensable to all lovers of flowers. The "Stocks of today" are greatly superior to the old types of flowers, being much larger and extra double. Open ground in ten weeks.

SUNFLOWER—Miniature—Of pyramidal growth. Covered with hundreds of small single orange flowers.



Salvia.



Petunia.

PETUNIA—Few, if any, plants are more deservedly popular than these for bedding purposes, green house or window culture. Produces showy flowers in profusion. Although perennial, they flower in a few weeks from the seed.

VERBENA—For garden beds or massing the Verbena is unrivaled; flowers of the most brilliant colors, blooming continually from spring until late in the autumn. Although perennials, these form luxuriant plants and bloom profusely the first season from seed. Dwarf mixed, pkt., 5c. American Mammoth, pkt. 15c.

ZINNIA—A very showy and brilliant annual of easy culture. Stands the heat of summer well, and succeeds in any common garden soil. Mixed colors. Pkt., 5c.

SWEET WILLIAM—Exceedingly beautiful and showy plants, producing an abundance of rich colored flowers throughout the season. These old-fashioned favorites thrive in any good garden soil and form fine clumps which last for years. H. P.

Finest mixed. The flowers of this variety are very beautiful. $\frac{1}{4}$ oz., 15c; pkt., 5c.

We have many Flower Seeds not listed. If others are wanted, don't fail to ask for them.

SUMMER FLOWERING BULBS

We offer only the most popular sorts that are inexpensively and easily grown, require scarcely any care and make a showy and gorgeous display.



TUBEROUS ROOTED BEGONIAS.

TUBEROUS BEGONIAS—Bloom constantly during the summer. Desirable both for pots and beds. Flowers are large and brilliant. Bulbs $1\frac{1}{4}$ inch and up in diameter. The following possess real merit: Crimson, Yellow, White, Scarlet, Pink and Orange. Each, 10c; doz., 75c.

CALADIUMS—*Esculentum* (Elephant's Ear)—Unequaled as a foliage plant. The leaves are shield-shaped, bright green, often measuring 3 feet or more in length and breadth. Very imposing in appearance when developed. They need very rich soil and an abundance of water. 10c, 25c and 35c each.

CALLA LILIES—Strong Bulbs—White Calla—The White Calla is a well-known plant of easy culture and in winter is one of our best window plants. Price, 15c and 25c each.

CANNAS—Combining grand tropical foliage with large and brilliant flowers. The Canna is one of our most showy bedding plants. The large flowers and varied colors double their popularity. Each, 10c; doz., \$1.00.



Dahlia.



Caladium.

DAHLIA—Always a favorite for autumn flowering. The flowers are so symmetrical and perfect, and the range of color so large and varied that they will always be popular where display is wanted. Roots easily injured by frost. Set two feet apart. Tie to stakes. Assorted colors. Each, 10c; doz., \$1.00.

SCARLET FREESIA—A most charming bulbous-rooted plant for fall planting or pot culture. It bears brilliant carmine-crimson flowers, the lower petals marked with a dark spot. Always plant at least six in a pot or group, 1 to 2 inches deep. 20c per doz.



TUBEROSE (The Pearl.)

TUBEROSES

One of the most charming and fragrant of our summer-flowering bulbs, throwing up large spikes of pure white double flowers which are very useful for decorative work. Plant in the open ground during May. By starting in pots during March, a succession of bloom can be had all summer.

EXCELSIOR PEARL BULBS—First quality, per doz., 25c and 40c.

BULBS FOR FALL PLANTING.

If you have never had any of these in your garden, get some now. All the attention they require is to put them in the ground in the fall and in the early spring you will have a bed of the most beautiful, waxy flowers. We have a full line of Tulips, Hyacinths, Narcissus, Crocus and Lilies. We import our bulbs direct from Holland. Write for prices in October or November.

Crown Imperials.	Each	15c
Bleeding Hearts.	Each	15c
Paeonias, Double, all colors.	Each	25c
Hardy Sweet Violets.	Per Doz.	75c
Star of Bethlehem.	Per Doz.	50c
Iris, German.	Per Doz.	50c
Iris, Japan.	Per Doz.	\$2.00
Rudbeckia.	Per Doz.	1.00
Funkia, Day Lily, blue.	Per Doz.	1.00
Spirea Japonica, clumps.	Each	25c
Snowdrops.	Per Doz.	20c
Hardy Phlox.	Each	10c
Hardy Chrysanthemum Plants.	Each	10c
Gloxinia.	Each	10c
Hollyhocks, double, hardy.	Each	10c
Cape Hyacinths.	Each	5c
Honeysuckle.	Each	25c
Boston Ivy.	Each	25c
Clematis, Purple.	Each	35c
Clematis, White.	Each	25c
Lily of the Valley Pips.	Per Doz.	30c

HARDY HYBRID ROSES

Hybrid Perpetual Roses are the most valuable for outdoor planting when a permanent bed is desired. They will do well almost anywhere, but should have a deep rich soil. A mulching of straw will greatly benefit them during the winter months.

We have listed only the choicest of the new and old varieties. Price, 25c each; \$2.50 per doz.

ANNA DE DIESBACH—Brilliant rose color; a vigorous grower and persistent bloomer.

GENERAL JACQUEMINOT—A rich crimson scarlet, simply a mass of blooms when at its best.

CLIO—Perfect in form; color delicate satin blush with a light shade of rosy pink in center.

COQUETTE DES ALPS—Large finely formed flower; color pure white; profuse bloomer.

JOHN HOPPER—A beautiful dark pink.

JUBILEE—A very superior rose; color pure red shading to crimson and maroon at the base of petal, forming a coloring equalled by that of no other rose.

MRS. J. H. LAING—A grand free blooming Hybrid Perpetual, with fine flowers of soft delicate pink.

PAUL NEYRON—The largest flowered in cultivation and one of the most persistent bloomers; color deep clear rose, very fresh and attractive.

PRINCE CAMILLE DE ROHAN—One of the darkest colored roses; very dark velvety crimson changing to intense maroon.

ULRICH BRUNNER—Splendid upright grower, with bright healthy foliage; color cherry red, abundant bloomer.

FRAU KARL DRUSCHKI—A pure, paper white, free-flowering, large-sized Hybrid Perpetual. The bloom is perfect in form on fine, long stems, and of the richest possible white.

AMERICAN BEAUTY—The largest and best of all hardy roses; a genuine ever-blooming rose. Color, rich crimson; with wonderfully sweet fragrance.



TEA ROSES

METEOR—A remarkably fine rose; color very rich velvety crimson.

HELEN GOULD—A charming rose. Color rosy crimson. Flowers large and perfectly double.

HERMOSA—Beautiful clear rose; constant bloomer.

MADAM COCHET—A beautiful snow white, sometimes tinged with the faintest suggestion of blush.

LA FRANCE—Delicate silvery rose shaded with cerise pink; very large double and of superb form.

TEA ROSES—Continued

C. SOUPERT—A free blooming rose, commencing when but three or four inches high, and never being without bloom if kept in a healthy growing condition.

GRUS AN TEPLITZ—One of the brightest colored roses grown, dark rich crimson changing to fiery red. Blooms continually. Makes nice pot plants.

KAISERIN AUGUSTA VICTORIA—A beautiful rose with large pointed buds and very large full double flowers; color delicate creamy white; deliciously fragrant.

RAMBLER ROSES

CRIMSON—Recognized as the most beautiful of climbing roses. Flowers are produced in large pyramidal clusters, thirty-five or forty in a cluster; nothing is more effective.

PINK—Resembles the Crimson Rambler except in color, which in this is a clear pink.

WHITE—Identical with Crimson Rambler except in color, which is pure, clear white.

YELLOW—Similar to Crimson in style of growth, but individual flowers are larger and clusters smaller.

PSYCHE—A seedling from Crimson Rambler. Blooms in clusters of from eight to twenty-five flowers each, of a delicate rosy pink shade, suffused with salmon.

MOSS ROSES

COUNTESS OF MURINIAS—Large pure white, beautifully mossed.

HENRI MARTIN—Large, globular flowers, full and sweet, rich, glossy pink, tinged with crimson.



HARDY ORNAMENTAL SHRUBS—Azaleas, Rhododendrons, Altheas, Calycanthus, Hydrangias, Lilacs, Spireas, Syringas, Tamarix, Snowballs, Weigelia, Berberry, Japan Quince, Desmodium, Xanthoceras, Exorcordia, Cal. Privet, etc.

FRUIT TREES—Cherries, Plums, Peaches, Apples, Pears, Apricot, Grape Vines, Berry Plants.

Remember us when purchasing your Christmas Trees and Holly.

CLOVER AND GRASS SEED

Prices subject to fluctuation. Postage 8c per pound Extra.

Market prices on application.

This is the proper season of the year to sow GRASS SEEDS and you will find many of the leading grasses not as high as they have been for some years, but do not let this deter you from sowing, as only by the liberal use of the LEGUMES, can you hold up the fertility of your land. We ask your special attention to Clover, Alfalfa, Timothy and Blue Grass, of which you cannot sow too much. Buy early for choice seed and best prices.

Grass is one of the most important crops produced by the farmer, and its constant increasing value makes it desirable that only the best seed be used, but great care must be given to the preparation of the seed bed or your efforts may result in failure.

Remember that good seed alone will not produce good crops but in addition you must give your land the proper preparation, sow plenty of seed and cover lightly with a harrow and your success is almost assured.

We buy only the best seed and have the machinery to thoroughly clean it, consequently offer only the highest grade, and cater to a class of trade that will have no other.

As the price of grass seed varies, if you want a quantity you had better ask for prices, giving the kinds and quantity wanted, when we will give you as low a price as the market will afford.

Our stocks of the leading grasses are large, but we would call your attention to the stocks of Clover, Alfalfa, Timothy and Kentucky Blue Grass which are to-day the leading meadow and pasture grasses.

The prices named in this catalogue are as low as we dare name at this time, but in all cases we shall make the prices as low as the conditions will warrant.

IF IN WANT OF FIELD SEEDS, WRITE FOR PRICES.

SAMPLES ON REQUEST.

**If you have any difficulty in securing a stand of Clover or
Alfalfa, try Nitro-Culture; it will pay you.**

CLOVER, TIMOTHY, MILLET AND GRASS SEEDS

Owing to the unsettled condition of the Grass Seed market at the time of going to press we cannot make firm prices on Clover, Timothy and Grass Seeds, but purchasers will receive as much as the money sent will pay for, but when a quantity is wanted it is well to ask prices in advance.

Add 8c per pound for postage extra, when ordered by mail.

RED CLOVER—The most important and best known of all the Clovers, being used for hay, pasture and enriching the land and for the latter purpose is considered the cheapest fertilizer known.

For a rotation it always prepares the ground for the succeeding crop so that success is almost assured. Per lb. 25c; 50 lbs., \$12.00; 100 lbs., \$22.00.

MAMMOTH or SAPLING—Grows much larger and lasts longer than the common red clover; is most valuable for plowing under and reclaiming exhausted lands. Good for thin soils. Lb., 25c; 50 lbs., \$12.00; 100 lbs., \$22.00.

ALFALFA CLOVER—Every year adds to the popularity of this valuable forage crop, and the fact that it will produce double the forage of red clover in good years and in drouthy ones is often the salvation of the farmer, makes it the greatest acquisition of recent years. As a meat-maker, milk-maker and money-maker it is equally prized, and as a renovator and improver of soils it has no competitor. Lb., 20c; 50 lbs., \$9.00; 100 lbs., \$16.00.



Red Clover.

ALSIKE—Or Swedish Clover—The heads are globular and very sweet and fragrant, and much liked by bees, who obtain a great amount of honey from it. It produces a great amount of herbage during the season; the stalks being very fine, it makes a valuable hay crop. It is suited to wet land and will produce a good crop where other clovers would fail. Sow 4 to 6 pounds to the acre. Lb., 30c; 50 lbs., \$13.00; 100 lbs., \$24.00.

WHITE—It makes an excellent pasture for cattle and sheep, and is valuable for lawns. It will grow on almost any soil, but is best adapted for low moist lands. Should be included in all mixtures for lawns or permanent pasture. It is also valuable to prevent soil from washing. Lb., 50c; 10 lbs., \$4.50.

HONEY or BEE CLOVER—(Bokhara Sweet)—Highly recommended by experimental stations; especially adapted to bees. The honey from it being as clear as a crystal. It is also highly recommended as a fertilizer, to be turned under when green. It is a very quick, vigorous grower, and possesses superior qualities to most other clovers. Lb., 25c; 50 lbs., \$10.00.



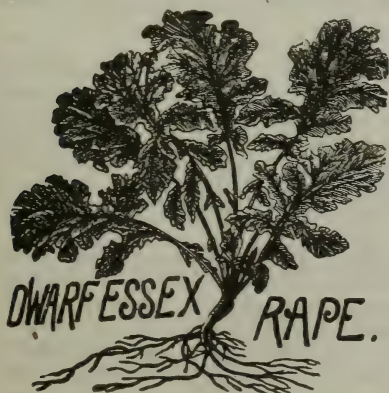
Alfalfa.

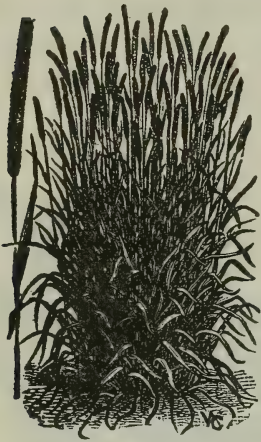
DWARF ESSEX RAPE

Prices Subject to Market Change.

The demand for Dwarf Essex Rape is becoming so great that it is increasing many fold each year. It is easily grown everywhere, and it always gives the best of satisfaction. As a forage plant for hogs, cattle or sheep it cannot be surpassed.

There is but one true variety, and that is English grown, and we offer you the true stock. By freight or express, 1 lb., 10c; 10 lbs., 85c; 100 lbs., \$7.50.





Timothy.

TIMOTHY—The most popular, nutritious and salable hay grass. There are better grasses for pasture, but none for hay. Grazing close injures the second year's growth. Fancy, per lb., 15c; 50 lbs., 3.50; 100 lbs., \$6.00.

KENTUCKY BLUE GRASS, the Great American Grass—Old standard grass for pasture and lawns. Every farmer knows its value. Succeeds in nearly all soils, but best in limestone districts. Well known everywhere. Sow about 25 lbs. to 30 lbs. to the acre for meadow, and from 65 lbs. to 80 lbs. per acre for lawns. Put on plenty and avoid disappointment in your lawns. A top dressing of fine manure after sowing and in the fall and spring will be of great benefit. Fancy, clean seed. Per lb., 20c; per bu., 14 lbs., \$2.25.

ENGLISH BLUE GRASS—(Meadow Fescue)—A valuable pasture grass. Its long and tender leaves are much relished by all kinds of stock. Cured like Timothy, yields a very superior quality of hay. It is one of the earliest in the spring and latest in the fall. Height, 18 to 24 inches. Price per lb., 15c; 50 lbs., \$5.50; 100 lbs., \$10.00.

RED TOP—Valuable for most soils. Good permanent grass. Stands our climate well and adapted to our pastures, in which it should be fed close for if allowed to go to seed cattle refuse it. Grows best on moist rich soil. On gravelly soil grows lower. Has succeeded on Alkali soils when other grasses failed. Fancy clean or hulled seed, sow 15 to 18 lbs. to the acre. Per lb., 20c; 50 lbs., \$8.50; 100 lbs., \$15.00.

BERMUDA GRASS—Peculiarly adapted to the Southern States. A delicate grass, valuable alike for pasture and hay crop. Grows on any soil. Oklahoma Experiment Station recommends it highly. It does well in south part of Kansas and Southern States generally. A dry weather grass, and is splendid to bind loose soils together. Propagate by division of the roots or sow the seed in amounts of five to six lbs. to the acre. Sow from April to June. Per lb., 85c.

ENGLISH PERENNIAL RYE GRASS—This grass is of as great value to Great Britain as Timothy is to this country. It is invaluable for permanent pastures, for hay, if cut when in blossom, and for lawn mixtures. Height 15 to 24 inches. By freight or express, 1 lb., 15c; 50 lbs., \$5.00; 100 lbs., \$8.00.



Kentucky Blue Grass.

ITALIAN RYE GRASS—Similar to the English Rye Grass. Very nutritious and valuable for pastures, especially for early sheep feeding; also excellent for lawns. Height, 18 to 30 inches. Price, 1 lb., 15c; 50 lbs., 5.00; 100 lbs., \$8.00.

ORCHARD GRASS—This is one of the most valuable and widely known of all pasture grasses, coming in the spring and remaining later in the autumn than any other; it grows about 2½ feet high and produces an immense quantity of leaves and foliage. It is well adapted for sowing under trees or orchards and very valuable either for grazing or for hay. Sow about 28 lbs. per acre. 1 lb., 20c; 10 lbs., \$1.75; 100 lbs., \$15.00.

TALL MEADOW OAT GRASS—(14 lbs. per bu.)—This grass should be given the trial its merit deserves. It is a luxuriant grower for early and late permanent pasture. For hay it may be cut twice a year and for green soiling it may be cut four or five times in favorable seasons. It is very hardy, and withstands extreme drought and heat and cold. Height, 2 to 4 feet. Price, 1 lb., 20c.



English Blue Grass.

FIELD PEAS

Field Peas are largely grown in the Southern States, both as a hay crop and as a fertilizer, in which respect they are of great value. The peas may be sown in corn at the time of last cultivation, or after a crop of early potatoes. They may be sown broadcast at the rate of one and one half bushels per acre, or they can be planted in rows about three feet apart with a corn planter. This will require only one-half bushel of seed per acre. The cow peas, by their rapid, rank growth, keep down weeds and put soil in good, friable condition for the next year's crop, increasing the fertility of the soil to a remarkable extent. The vines furnish an excellent green food for milch cows until frost, or they may be cut and cured for hay; or a very profitable way to dispose of the crop is to turn hogs into the field at the time that the first peas are ripening. They readily eat the foliage and well filled pods, and thrive amazingly. Or the entire crop may be plowed under as a green manure.

WHIPPOORWILL—A favorite early bunch-growing variety; has brown speckled seeds, which are more easily gathered than the vine-growing sorts. This variety is a prime favorite on account of its early maturity and habits. $\frac{1}{4}$ bu., 75c; bu., \$2.75.

NEW ERA—This Pea is fully two weeks earlier than the popular Whippoorwill variety; a very great advantage to the farmer. In size it is one-third smaller than the Whippoorwill—another great advantage. It is a so-called Bunch Pea, similar to the Whippoorwill in growth. In sections of Missouri and Illinois the New Era Pea is planted after the wheat crop has been cut, and matures early enough in the fall to harvest in time to sow winter wheat on the same field. This cannot be said of any other variety of Cow Pea. They produce more seed than Whippoorwills and where known are used almost exclusively, $\frac{1}{4}$ bu., 75c; bu., \$2.50.

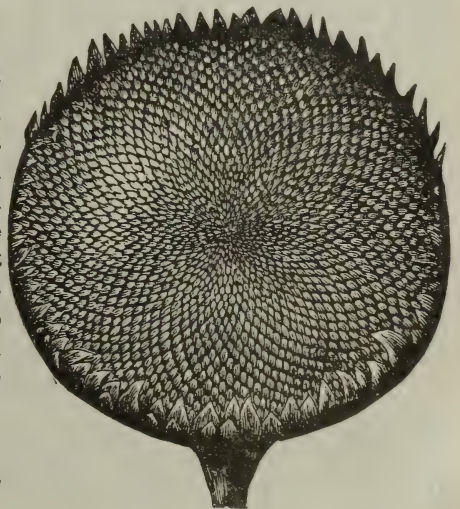
CANADA FIELD PEAS—For dairy cows and hogs they are equal to corn, and six weeks earlier. They should be sown early in April with oats, using two bushels of oats and two bushels of the peas per acre. The peas should be sown first and plowed under to a depth of about four inches, then sow and harrow in the oats. They will be ready to cut in July. As a fertilizer they come next to clover, and will grow on land that will not produce clover. Peck, 75c; bu., \$2.75, by express or freight.

MAMMOTH RUSSIAN SUNFLOWER

Unequaled as a Food for Poultry.

Mammoth Russian Sunflower produces very large heads, often twenty inches across, which are completely filled with the striped grains. It succeeds everywhere, and requires but little rain to insure a crop. It makes an enormous yield of seed. It is a good food for stock and cannot be equaled as a food for poultry, being the greatest egg-producing food known. The heavy stalks make good fuel. The plant, when growing, is also said to be a protection from malaria. Plant when the ground becomes warm at the rate of two pounds per acre.

MAMMOTH RUSSIAN—The best in all respects for a farm crop. Price by mail, postpaid, lb., 20c; by express or freight, lb., 10c; 10 lbs., 75c; 25 lbs. or more at 6c per lb.



Sunflower.

MILLETS

(50 lbs. per bu.)

The market on Millet and Cane is uncertain; if quantity is wanted, ask for price.

The several varieties will furnish food for live stock in the form of grain, fodder or pasture. Especially valuable in seasons when the hay crop is short. They make the best hay if cut when in blossom and carefully cured.

COMMON—Requires a dry, light, rich soil, and grows 2½ to 4 feet high, with a fine bulk of straw and leaves, and is excellent forage. Choice. Price: 1 lb., 35c; postpaid. By freight or express. 1 lb., 10c; 10 lbs., 35c; 100 lbs., \$2.50.

GERMAN—It is usually given preference, by those who use Millets, over the Common variety and Hungarian. It is a strong grower and will yield enormous crops of the finest hay, and should be cut before the seeds harden. Can be sown late after some early crop, and if sown early will mature in time for the ground to be plowed for wheat, and it leaves the ground in fine shape for this purpose. For grain, sow in drills not later than June 20th. Fancy. Price: 1 lb., 20c; postpaid. By freight or express; 1 lb., 10c; 10 lbs., 50c; 100 lbs., \$2.50.

HUNGARIAN—Commonly called Hungarian Grass. A quick-growing, valuable forage plant. May be sown at any time during the summer up to the middle of August. It has a long slender head, and is darker in color than the German. Price: 1 lb., 20c; postpaid. By freight or express: 1 lb., 10c; 10 lbs., 40c; bu., \$1.25; 100 lbs., \$2.50.

CANE

Price Subject to Market Change.

EARLY AMBER—Farmers and stockmen say that Early Amber Cane is the most valuable fodder plant in existence. Not only is it adapted for feeding purposes, but its great qualities as a Sorghum producer is one of a paying investment, and has attracted general attention everywhere. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and is but little affected by drouth. By freight or express, 1 lb. 10c; 10 lbs., 35c; 25 lbs., 75c; 100 lbs., \$2.25.

EARLY ORANGE—A variety well adapted for the South. It is from eight to ten days later than the Early Amber and produces a syrup of excellent quality. 1 lb., 20c; postpaid. By freight or express, 1 lb., 10c; 10 lbs., 40c; 25 lbs., \$1.00; 100 lbs., \$2.25.

NON-SACCHARINE

RED OR WHITE KAFFIR CORN—Grows low, stock perfectly erect; the foliage is wide, alternating closely on either side of the stalk. It does not stool from the root, but branches from the top joints, producing from two to four heads of grain from each stalk. On very thin and worn lands it yields paying crops of grain and forage even in dry seasons, in which corn has utterly failed on the same lands. If cut down to the ground two or more shoots spring from the root, and growth is thus maintained until checked by frost. Lb., 5c; per 100 lbs., \$1.50.

Also

African Millet, per lb., 10c; per 100 lbs., \$4.00.
Yellow Milo Maize, per lb., 10c; per 100 lbs., \$2.00.
Jerusalem Corn, per lb., 10c; per 100 lbs., \$4.50.

BROOM CORN

Broom Corn will succeed in any good corn soil and will make a crop with little rain. Besides the brush, it will produce a large yield of grain equal in feeding value to oats. Three pounds of seed are required for an acre when drilled in rows three feet apart.

IMPROVED EVERGREEN—A favorite in Kansas, Nebraska and Missouri. Grows to a good length, and if cut at the proper time retains a good color. Price by mail, lb., 15c; by express or freight, peck, 40c; bu., \$1.50; per 100 lbs., \$3.00.

DWARF BROOM CORN—This variety grows only three or four feet high, and is much easier handled than the tall growing sorts. The brush is straight, smooth and of good quality. Price by mail, lb., 20c; by express or freight, peck, 40c; bu., \$1.50; per 100 lbs., \$3.00.



SELECTED GRADED SEED CORN**BUTTED AND TIPPED.**

We have had a good crop of corn this season, of excellent quality, and the test shows high germination. We will be able to furnish the following varieties of good quality until our stock is exhausted. Prices subject to change without notice:

PRIDE OF THE NORTH—90 Days—An early yellow Dent corn, maturing in this climate in 90 days. An excellent corn for stock and is quite prolific, very often yielding two ears to the stalk. Deep, soft grain and small red cob. Pk., 50c; bu., \$1.50.

ECLIPSE CORN—90 Days—This is one of the earliest and most prolific yellow corns ever introduced. The ear is a bright golden color, medium size, cob small, red, deep grain, and will mature in 90 days. Pk., 50c; bu., \$1.50.

IMPROVED LEAMING—90 Days—This is one of the earliest yellow Dent corns in cultivation, ripening in from 90 to 100 days from planting, surpassing the Yellow Canada and Flint varieties in earliness, productiveness and quality. The ears are large and of an orange yellow color and small red cob; generally producing two good ears each, and husks and shells very easy. Pk., 50c; bu., \$1.50.

KANSAS SUNFLOWER CORN—90 Days—This is the largest Early Yellow Corn we know of, ears averaging one foot in length and about 2 inches in diameter, weighing one pound and upwards. The ears are uniform in size and shape, and of a fine golden color. It is early, maturing in ninety days. Stalks grow about eight feet high, are very leafy and furnish large quantity of fodder. We can recommend it highly to anybody who wants a large early yellow corn. Pk., 50c; bu., \$1.50.

IOWA GOLD MINE—90 Days—Is very early; ripening only a few days later than Pride of the North; golden yellow; grain very deep; cob small. Will make excellent early crop, or will mature if planted after wheat is cut or early potatoes dug. Pk., 50c; bu., \$1.50.

GOLDEN BEAUTY—100 Days—This variety is a very large grained and handsome yellow corn. The ears are of perfect shape, with from ten to fourteen straight rows of brightest golden yellow with grains of remarkable size, small cob, filled out completely to the extreme end. The richness of color and fine quality of grain make it very superior for grinding into meal. Pk., 50c; bu., \$1.50.

HILDRETH'S YELLOW DENT.—100 Days—This is a very large growing variety. The ear is large and well rounded at butt and tip. The kernels are inclined to be small but are very deep. Indentation, medium rough; color, deep golden yellow. Price, pk., 50c; bu., \$1.50.



ADAMS' GOLD BOND—Stalk grows from seven to nine feet; ears midway, and are from seven to eight inches long and two and one-half thick and filled with grain from butt to tip; grain very long and of medium width; cob red and small for the size of ear; color, a bright yellow and one of the most productive field corns in existence. Every farmer should try it. Price, pk., 50c; bu., \$1.50.

CHAMPION WHITE PEARL—An extra early, pure white variety of the Dent family; very productive and exceedingly heavy, maturing in 85 to 90 days from the time of planting. The grain is extra deep and wide, two of which will more than span the cob, which is very small. Pk., 50c; bu., \$1.50.

IOWA SILVER MINE—White—Stalks grow to a height of about seven or eight feet and set the ears about three and one-half or four feet from the ground. Ears ten to twelve inches in length, weighing one and one-half pounds; uniform in size and shape, with pure white kernels set on a small white cob, and are well-filled out over the tip. It is early, maturing in 95 days. Seventy pounds of corn in the ear will make 60 pounds shelled. It is hardy, a great drouth resister, and, summing it all up, the acme of perfection. Pk., 50c; bu., \$1.50.



BOONE COUNTY WHITE—An exceedingly large-eared white corn with small cob for size of ear. Solid, medium early and extremely productive—best white corn in existence. Don't fail to try it. Pk., 50c; bu., \$1.50.

HICKORY KING—100 Days—The cob is so small and the grain is so large that when an ear is broken in half, one grain will cover the entire end of the cob. Nearly all of the stalks bear two ears and we consider it one of the best white corns grown. It ripens in from 100 to 110 days from time of planting. Price per pk., 75c; per bu., \$2.50.

POPCORN—White Pearl—Our common market variety. Lb., 10c.

WHITE RICE—A very handsome variety; kernels long, pointed, and resembling rice; color white; very prolific. Per lb., 10c.

QUEEN'S GOLDEN—The stalks grow six feet high, and the large ears are produced in abundance. It pops perfectly white, and a single kernel will expand to a diameter of one inch. Per lb., 10c.

As the Market Prices of Field Seeds are constantly changing we ask when wanting seeds in quantity that you ask in advance for prices, when we will quote as low as the market will afford.

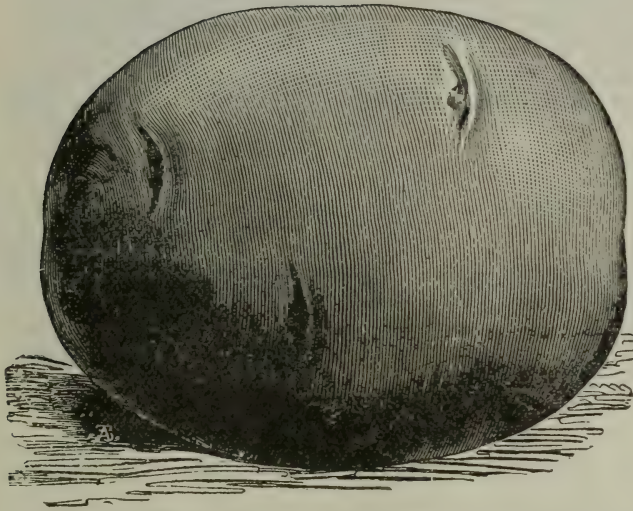
Sacks for Field Seeds, 20 cents each.

25c Worth of Garden Seeds extra in packets or a free copy of Home Floriculture free for every \$1.00 remitted for packets and ounces only.

FREE

SEED POTATOES

Prices subject to change without notice.



Red River Ohio.

RED RIVER OHIO—This potato is grown in the Red River Valley and well pays for the difference in price of it and the native Ohio, and after once having planted them, you will plant no other. Bu., \$1.00.

TRUE EARLY ROSE — The Early Rose is a standard early potato and is so well known as to need no description. We are prepared to sell fine Northern grown select stock. Bu., \$1.00.

NEW YORK RURAL—One of the most desirable varieties for late family or market use, being a round, smooth, white potato, with shallow eyes, and one of the most desirable for table use. It is a great drouth resister and with good culture will yield from two to three hundred bushels per acre. Per bu., \$1.00.

EARLY SIX WEEKS—The Six Weeks is evidently a seedling from Ohio, which it closely resembles in every way, but is earlier, makes taller stalks and appears to yield better on upland than that variety. It is well described as growing tubers close together in the hill. The potatoes grow so rapidly that under favorable circumstances they are fit for table use in six weeks from the time of planting, and mature between ten and eleven weeks. It revels in moist land. Bu., \$1.00.

BURBANK'S SEEDLING—White skinned, few eyes, fine grained flesh, dry and floury when cooked; very productive, ripening between the early and late varieties. Bu., \$1.00.

BEAUTY OF HEBRON—This is undoubtedly one of the best of the medium varieties. In most sections it proves earlier than the Early Rose, fully as vigorous and very productive. Tubers similar in shape to the Early Rose, but shorter; tinged with pink at first, but becomes pure white during winter. Bu., \$1.00.

TRIUMPH—Red River Stock. This potato is much sought after on account of its productiveness, fine quality and beautiful appearance which makes it one of the best early market varieties, especially for the South, from which they are shipped to Northern markets, bringing the highest prices. Bu., \$1.00.

SWEET POTATOES.

Prices subject to change.

Yellow Nansemond, standard variety for main crop.....	per bu., \$1.50
Red Nansemond, like above, except skin is red.....	per bu., 2.00
Jersey Yellow, shorter and thicker than Nansemond.....	per bu., 1.50
Southern Queen, a large early potato.....	per bu., 2.00
Red Bermuda, a large early potato.....	per bu., 2.00

SWEET POTATO PLANTS, \$4.00 per 1,000.

SEED GRAIN**WHEAT.**

RED FULTZ—A smooth, red chaff wheat, a good yielder and suited to any kind of land. Per bu., \$1.50.

MEDITERRANEAN HYBRID WINTER—It has proven extremely hardy and very prolific and has been pronounced by the best judges to be very superior for flour. It has the beard and blue straw of the Mediterranean, and thick set, compact head and plump berry of the Deihl, with stiff, long straw. Per bu., \$1.50.

MACARONI WHEAT, "KUBANKA"—A wheat used for making macaroni. A wheat that will grow where others fail. A variety that contains a great per cent of gluten. Per bu., \$1.50.

RUSSIAN HARD WHEAT—Bu., \$1.50.

OATS.

RED RUST PROOF OATS—Very early, rust proof, does well on thin ground and does not lodge, will bear neglect or a bad season and still make a crop. 1 bu., sacked, 75c; 5 bushels, 70c per bu. Ask for prices on large lots.

WHITE BONANZA—One of the finest varieties in cultivation and yields extraordinary crop; very early, stiff straw, grows four feet high; heads remarkably heavy; grain short and plump, resembling barley in shape, and has never rusted or fallen down on the richest soil; weighs from 35 to 40 lbs. per level bushel. Per. bu., 85c; five bushels, 80c per bu.

BUCKWHEAT—Japanese, per bu., \$1.75; Silver Hull, per bu., \$1.75; Common, per bu., \$1.75.

SEED RYE—Rye does best on rich sandy soil, almost a sure crop every year; should be sown in August or September, either in drills or broadcast, at the rate of one to one and a half bushels per acre; is raised both for pasture and grain. Per bu. (56 lbs.), \$1.00.

NITRO-CULTURE**NATURE'S GREAT FERTILIZER.**

Alfalfa.

Uninoculated. Inoculated.

All leguminous crops, such as Alfalfa, the Clovers, Peas, Beans, Vetch, etc., require the presence of small germs on their roots in order to make their best growth. These come in the shape of small nodules which draw free nitrogen from the air and feed the plant, besides enriching the soil.

What it Will Do—It will enable the seed sown to make a good stand, and can be used to make a thin stand thicker; will start a field of sickly alfalfa or clover to growing vigorously, makes the inoculated crop big and the following crops bigger.

Don't fail to get quick returns from Nitro-Culture by inoculating your peas, beans, peanuts or Soy beans.

PRICE LIST.

Each leguminous crop requires a special bacteria. In ordering name the kind of seed you wish to inoculate. Full instructions with every package.

We are ready to supply you with Nitro-Cultures for the following crops, cash to accompany order.

Alfalfa, per acre.	\$1.50
Red Clover, per acre.	1.50
Crimson Clover, per acre.	1.50
White Clover or Alsike, per acre	1.50
Garden Peas, one-half acre. . . . .	.75
Sweet Peas, one-half acre. . . . .	.75
Cow Peas, one acre.	1.50
Garden Beans—String, Kidney, Lima and Navy.	1.50
Five acre packages.	5.00

POULTRY SUPPLIES

In the limited space that we can devote to the merits of poultry and stock foods and remedies we can only say that the up-to-date poultry raiser, fancier, farmer or dairyman fully recognizes the importance of specially prepared foods—that his fowls may be good egg producers and have a fine appearance—that his dairy may produce the proper quantity and quality of milk, and finally that the returns may be satisfactory.

From the many foods and remedies offered we have selected those that have uniformly given entire satisfaction, and when used as directed will increase your sales and profits.

COARSE POULTRY BONE—Consists of ground beef bone dried and free from grease; rich in Bone Phosphate of Lime; shell maker and bone builder. Price: 1 lb., 5c; 6 lbs., 25c; 100 lbs., \$2.50.



FINE GROUND BONE—Same as above, but ground finer for little chicks. Price as above.

MEAT MEAL—Made from cooked beef scraps, thoroughly dried and ground. Especially useful for fattening poultry for market. Price: 1 lb., 5c; 6 lbs., 25c; 100 lbs., \$3.00.

FINE GROUND DRIED BLOOD—A highly concentrated food for hens. Makes them lay more eggs—in fact keeps them busy all the year round. A great help during the moulting season. Should always be mixed with other foods in the proportion of 15 to 1. Price: 1 lb., 5c; 6 lbs., 25c; 100 lbs., \$3.75.

BEEF SCRAPS—Especially prepared for poultry food; feed three times a week, about a tablespoonful to each bird. Price: 5 lbs., 25c; 50 lbs., \$2.00; 100 lbs., \$3.50.

ADAMS' SUPERIOR BEEF SCRAP—Price: 5 lbs., 30c; 50 lbs., \$2.25; 100 lbs., \$4.00.

OYSTER SHELL GRIT—Shell former; 100 lbs., 75c; 500 lbs., 65c per 100 lbs.

MICA CRYSTAL GRIT—Digester and tonic. 100 lbs., 85c; 500 lbs., 80c per 100.

CHINA NEST EGGS.....Per doz., 15c

MEDICATED NEST EGGS.....Per doz., 50c

ADAMS' POULTRY FOOD.

Scientifically compounded for young chicks, laying hens and fattening fowls.

ADAMS' CHICK FOOD—For growing chicks, per 100 lbs.....\$2.50

ADAMS' LAYING FOOD—For laying hens, per 100 lbs.....2.25

ADAMS' SCRATCHING FOOD—For laying hens, per 100 lbs.....2.25

ADAMS' DEVELOPING FOOD.....2.25

ADAMS' FORCING FOOD.....2.25

SHORT CUT ALFALFA.....1.75

OIL MEAL—Ground, per 100 lbs.....2.25

OIL MEAL—Ground, in 1,000 lots, per 100 lbs.....2.00

FLAX SEED MEAL—Per lb., 10c; per 100 lbs.....5.00

CHARCOAL (Granulated)—An excellent corrective for the fowls, and keeps them healthy.

1 lb.....5c

6 lbs.....25c

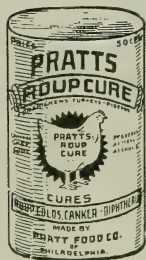
100 lbs.....\$2.50

PRATT'S FOODS AND REMEDIES

Pratt's Poultry and Animal Foods are well known and much used, but there are many that have never tried them that could use them to advantage, and from them we solicit a trial order. We have in stock:



Pratt's Horse and Cattle Food, 7 lb. pkg.	50 cent size
Pratt's Horse and Cattle Food, 12 lb. bag.	75c
Pratt's Horse and Cattle Food, 25 lb. bag.	\$1.25
Pratt's Horse and Cattle Food, 100 lb. bag.	4.50
Pratt's Poultry Food.	25 cent size
Pratt's Poultry Food.	50 and 60 cent size
Pratt's Animal Regulator.	25 cent size
Pratt's Animal Regulator.	50 cent size
Pratt's Heave Cure.	50 cent size
Pratt's Lice Killer.	25 cent size
Pratt's Fever Powder.	50 cent size
Pratt's Worm Powders.	50 cent size
Pratt's Healing Ointment.	25 cent size
Pratt's Healing Ointment.	50 cent size
Pratt's Veterinary Liniment.	50 cent size



PRATT'S ROUP CURE.

It not only cures but prevents roup, colds, canker, and catarrh. It should be given frequently to keep diseases away. Remember a roupy hen never lays. One box will save you hundreds of dollars. Price, 25c and 50c per box.

PRATT'S GAPE REMEDY.

An unfailing remedy for gapes. If used in the drinking water until the chicks are four weeks old, gape will be practically unknown. Price, 25c and 50c.

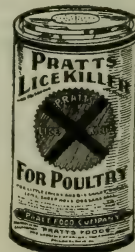


PRATT'S CHOLERA REMEDY.

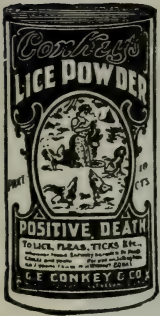
Cholera can be quickly cured by the use of Pratt's Cholera Remedy. Satisfaction guaranteed. Valuable also for sour crop, indigestion and bowel trouble. Price, 25c and 50c.

PRATT'S LICE KILLER.

It quickly kills all lice on little chicks. It also drives out moths and bugs, and has great disinfecting qualities. Price, 25c and 50c.



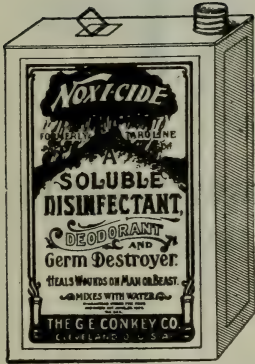
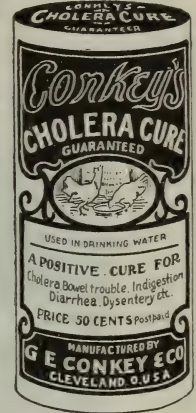
CONKEY'S POULTRY REMEDIES



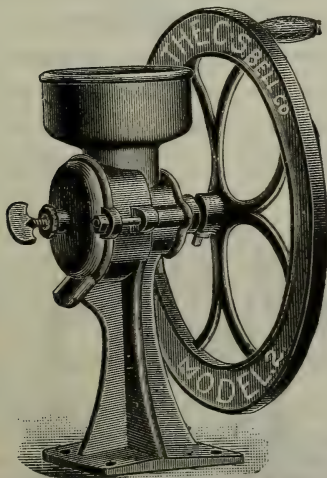

**BIDDY'S
CACKLING
SOUNDS LIKE
MONEYJINGLING**

EGGS MEAN MONEY
Do not force, but energize to the highest point of profit.

CONKEY'S LAYING TONIC
promotes activity and assimilation of egg-making material—THE WHOLE SECRET OF EGG-LAYING. Money back if it don't please. Prices 25c, 50c and \$1.
Ask for Conkey's Book on Poultry. FREE



Roup Cure.	\$0.50
Roup Cure.	1.00
Cholera Cure. . . . .	.50
Gap Cure. . . . .	.50
Lice Powder, 5 oz. . . . .	.10
Lice Powder, 15 oz. . . . .	.25
Lice Powder, 48 oz. . . . .	.50
Lice Liquid, qt. . . . .	.35
Lice Liquid, 2 qts. . . . .	.60
Lice Liquid, gal.	1.00
Head Lice Ointment, 1 oz. . . . .	.10
Head Lice Ointment, 3 oz. . . . .	.25
Healing Salve. . . . .	.50
Limber Neck Remedy. . . . .	.50
Nox-i-cide, pint. . . . .	.35
Nox-i-cide, quart. . . . .	.60
Nox-i-cide, 2 qts. . . . .	.90
Nox-i-cide, gal.	1.50
Fly Kicker, qt. . . . .	.35
Fly Kicker, 2 qts. . . . .	.60
Fly Kicker, gal.	1.00



The Model Grinding Mill

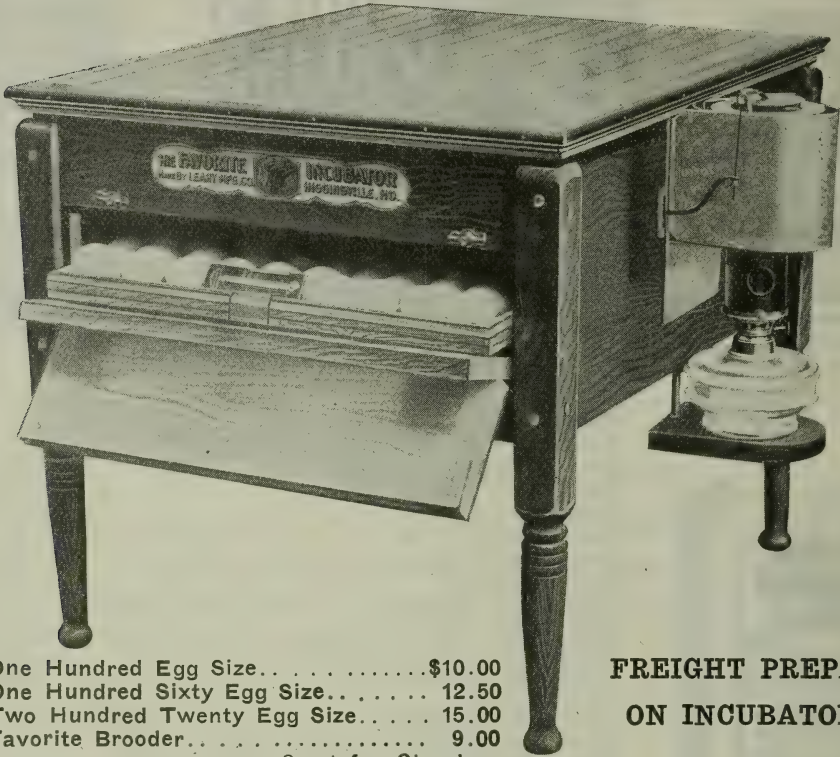
The primary object of these mills is to grind all kinds of feed for chickens and other domestic fowls and animals.

An Improved Hand Power Grinding Mill of new and elegant design, compactly made of strong and durable metal.

Their capacity is about as follows, depending on the condition of the grain or fineness of the meal:

	Weight.	Price.
No. 1 $\frac{1}{2}$, $\frac{1}{2}$ to 1 bushel per hour.	20 lbs.	\$2.25
No. 2, $\frac{3}{4}$ to 1 $\frac{1}{2}$ bushels per hour.	35 lbs.	4.50
No. 3, 1 to 2 bushels per hour.	63 lbs.	6.50

Favorite Incubator.

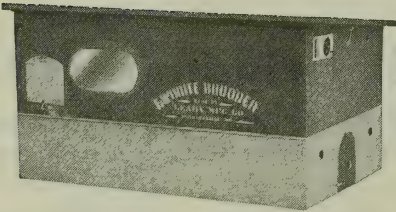


One Hundred Egg Size.....\$10.00
 One Hundred Sixty Egg Size..... 12.50
 Two Hundred Twenty Egg Size..... 15.00
 Favorite Brooder..... 9.00
 Send for Circular.

**FREIGHT PREPAID
 ON INCUBATORS.**

Favorite Brooders.

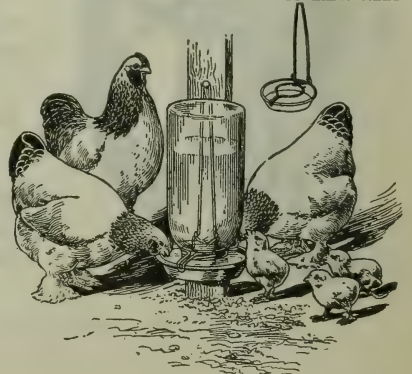
GUARANTEED.



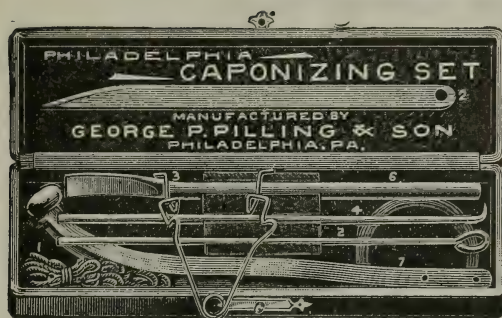
Your first hatches are made with an Incubator before the weather is warm enough for hens to care for the chicks. With a Favorite Incubator you have control of the chicks at all times; and can save and raise them for the early market, and make money. Price.....\$9.00

Adams Perfect Drinking Fountain.

1 qt.....15c
 2 qt.....20c



THE "FARMER'S" CAPONIZING SET



There is no doubt in the minds of up-to-date poultrymen as to the advantages of caponizing. The operation is very simple, and with a "Farmer's Caponizing Set" any boy twelve years of age can perform it with safety and thoroughness. Capons, as anyone knows, sell on the market, as a rule, from five to eight cents per pound higher than any other chickens. The demand for capons is always good, is steadily growing, and at this time a better market is assured the producer in this field than any other. Now is the time to get into the caponizing

business, and the first thing to start right is to buy a "Farmer's Caponizing Set." No more efficient, simple or more easily operated set is being offered the craft to-day than the Farmer's, and you will make no mistake by selecting the Farmer's.

Set in plush-lined, cloth-covered case.	\$3.00
Set in polished hard-wood box.	2.75
Set in Japanned wood box.	2.50

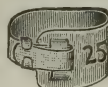
We pay transportation charges within the United States.



LEG BANDS.

LEG BANDS—See cut. Made of aluminum, adjustable to fit any fowl; in two sizes, 3-inch and 4-inch.

12 for.	15c
25 for.	30c
50 for.	50c
100 for.	postpaid, 90c



PIGEON BANDS

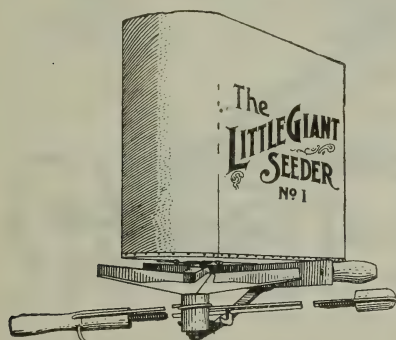


POULTRY MARKER

25c, postpaid.

HAND SEED SOWERS

THE LITTLE GIANT SEEDERS are the lightest running and best sowing machines on the market. They have Iron Frames, Malleable Brace, Force Feed, Pressed Tin Distributing Wheel, and hand hold on the side, and the stirrer is the most effective feeder placed on any machine.



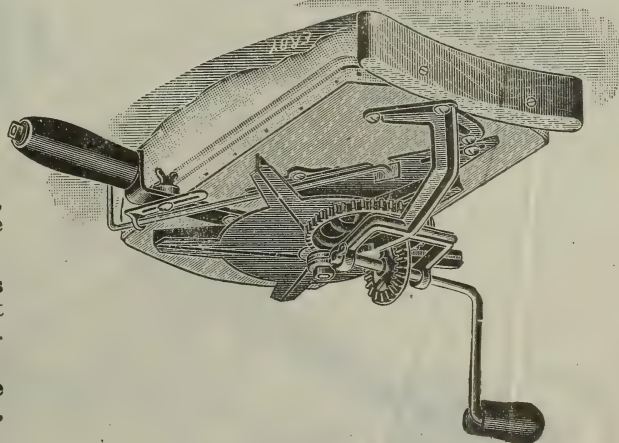
No. 1.

No. 3 Geared. The strongest, prettiest and best seeder made Price, \$1.50.

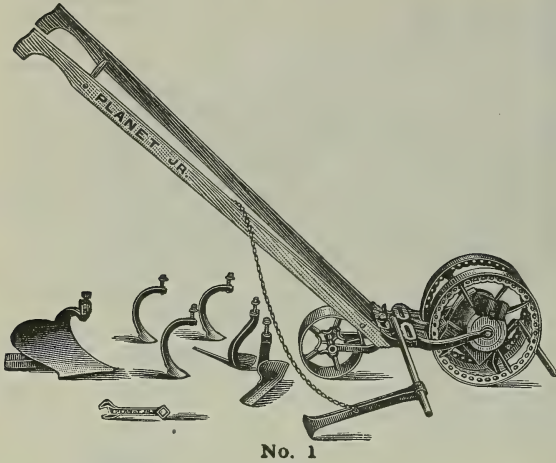
No. 4 has the same gearing as the No. 3, but is smaller. The best cheap machine on the market. Price, \$1.25.

No. 1 Fiddle Bow—The same construction as the No. 3. Price, \$1.25.

CAHOON'S HAND BROADCAST SEEDER—For sowing wheat, oats, hemp, rye, buckwheat, flaxseed, grass seed, etc. The hand machine, at the common walking gait, sows from six to eight acres per hour. It sows equally well in the face of the wind; it is attached to the body by a strap over the shoulder and turned by a crank in the right hand. Price, \$3.00.



PLANET JR. FARM AND GARDEN TOOLS



No. 1

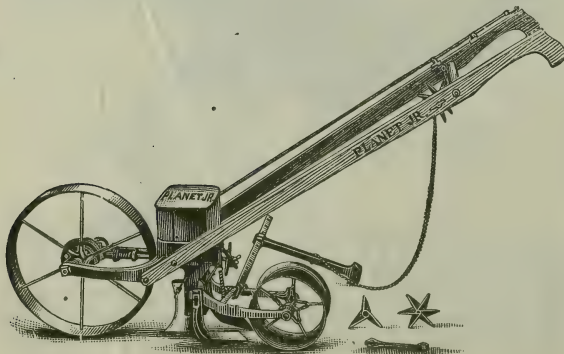
tached. It is an excellent seed sower, a first-class double or single wheel hoe, an excellent furrower, an admirable wheel cultivator, and a rapid and efficient garden plow. It is a practical every-day time and labor-saver, and a grand remedy for backache.

NO. 3 HILL AND DRILL SEEDER, Price, \$10.50.

This is the same tool as the No. 5 seeder and just as good, except that it is smaller in size. The hopper holds three quarts; 15-inch patent steel driving wheel, with broad face, which makes the drill run easily, even when full. The quantity of seed is regulated by an accurate index, conveniently placed at the top of the handle, and carefully graduated for either hill dropping or drilling. The flow of seed is started or stopped by a single movement of the forefinger. The roller is broad and hollow faced, leaving a wide, smooth track for the wheel hoe. It is extremely simple, and will not injure the most delicate seed.

NO. 5 HILL AND DRILL SEEDER, Price, \$13.00.

This Seeder is the same tool as the No. 3, except that it is larger in size.

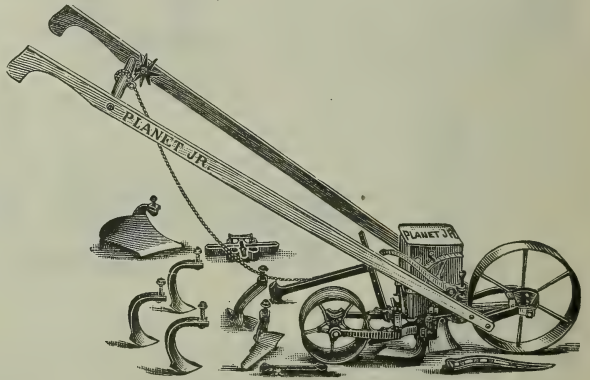


No. 3.

Space will not permit our showing and describing all of the "Planet Jr." tools, but we will send a fully illustrated catalogue free for the asking to any who desire it, and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us, you can rely on getting bottom prices.

ON RECEIPT OF THESE PRICES BELOW, WE WILL DELIVER ANY OF THESE "PLANET JR." TOOLS, FREIGHT PREPAID TO YOUR RAILROAD STATION. NO. 1, COMBINED DRILL SEEDER, WHEEL HOE CULTIVATOR AND PLOW. Price, \$9.50. A pair of 5-tooth rakes supplied when specially ordered. Price 50c.

This has long been the most popular combined tool made. As a seed sower it is the same as No. 2 Drill Seeder, but smaller. From a drill it is changed to its other uses by removing two bolts, when hoes, etc., can be quickly at-

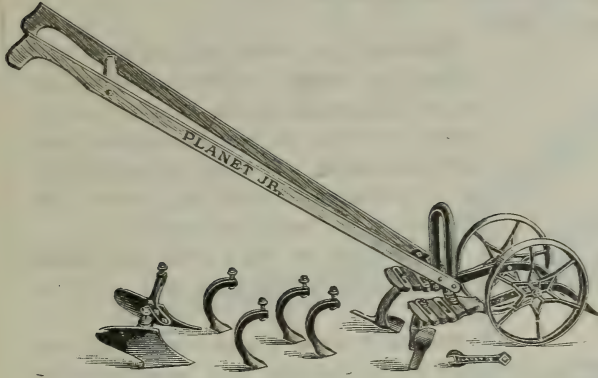


No. 4.

NO. 4 COMBINED HILL AND DRILL SEEDER, SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

Combines in a single implement a capital hill-dropping seeder, perfect drill seeder, single wheel hoe, cultivator and a hoe. Holds two quarts and as a seeder is like the No. 5, sowing in continuous rows, or dropping in distances at five different distances. Thrown out of gear by simply raising the handles. Index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe, garden plow or cultivator. With this one implement the small farmer can do practically all the work in his small crop.

A set of these rakes supplied when specially ordered. Price \$1 extra. Price, complete, \$11.00. As a drill, only \$9.00.

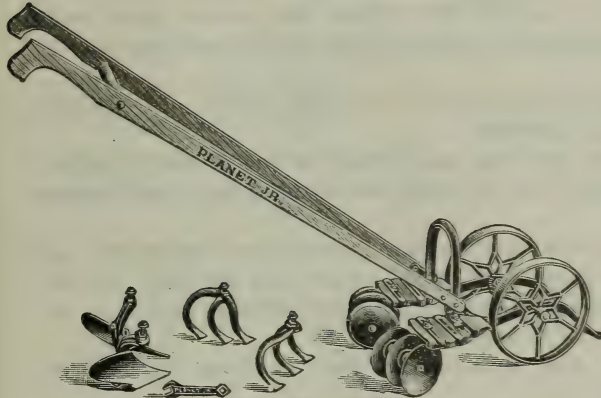
No. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

The number of different kinds of work done by this one tool is marvelous; and all are done in the most perfect manner. The teeth are changed with the greatest ease and quickness without taking the nuts from the standards. The wheels may be set at four different distances apart; the frame at three heights. The handles are adjustable in height to suit man or boy. For rapid and perfect work the most money-making tool a farmer can own. Price, \$7.00.

No. 13. This tool is the No. 12, with pair six inch Scuffle Hoes only, these being the most useful form of low priced Cultivator. Price, \$4.75.

No. 14 PLANET JR. DISC HOE

This is a new tool and will give excellent satisfaction.



Like Cut, \$8.00.

No. 13½—Discs only \$6.00.

No. 38—Frame like No. 17; Attachments like No. 14, \$7.00.

No. 18½—Frame like 17; Attachments Discs, only \$4.75.

There are three oil tempered discs on each side which may all be used at once or two on a side as may be preferred. The Discs are adjustable for depth and to throw to or from the row as desired.

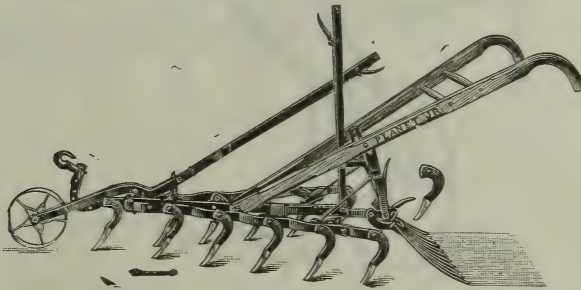
The set of prong teeth is constructed on entirely new lines, and will be found invaluable in general cultivation.

The tooth next the row is narrow and runs shallow, the middle tooth is wider and runs ½ inch deeper and the outside tooth is much wider and runs ½ inch deeper still, so that the work is finer next the row to avoid injury to the roots of the plants.

The teeth are also set out of line, which makes them work with greater freedom.

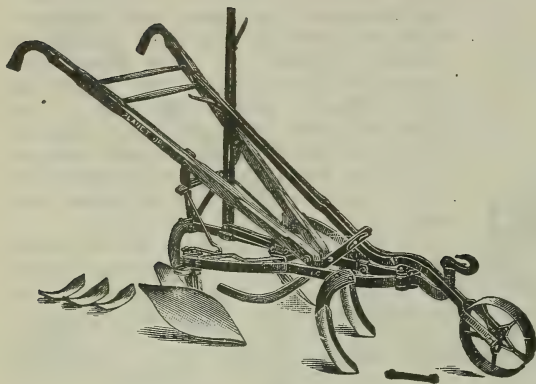
12-TOOTH HARROW

This tool is a general favorite with farmers, market gardeners and others. Has high frame and chisel shaped teeth that cut an inch wide, each; can be set with teeth trailing. The foot lever pulverizer is capital for preparing ground for seed drill or plant setting. Hand levers regulate both width and depth while in motion. It con-



tracts to 12 inches, and may be further reduced in width by taking off outside teeth. It expands to 32 inches, and cultivates deep without throwing earth on plants, and the smooth, round throated teeth turn strawberry runners without injuring them.

Price, complete, \$9.00. Without pulverizer, \$7.40. Without pulverizer or wheel, \$6.20.

PLANET JR. No. 8 HORSE HOE**Price, \$9.00.**

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to withstand incredible strain, yet it is light and easy to handle.

The Frame is extra long and extra high, making a tool that will not clog easily.

The Stiff Steel Standards are hollow with round throats; they polish quickly and free themselves readily from obstructions, and they clasp the frame and strengthen it.

The Depth is under perfect control by a new lever wheel and patent depth regulator, moved instantly in unison by a single lever, making exact work, steadying the machine and relieving the operator.

The Expander is an entirely new patent, superior to all other forms; exceedingly strong, simple, accurate and positive in all positions.

The Handle and Braces are also new, and the most effective and stiffest combination known, at once making the tool rigid, yet allowing every adjustment of handles in height and sidewise.

The Reversible Side Hoes, patented, are an important part of the implement. As shown in the cut, they act as plows or hillers, but when turned end for end, the tool becomes a genuine horse hoe, working so shallow and so close, without injury to the roots, that an immense amount of hard labor is saved.

Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest.

PLANET JR. No. 7 Horse Hoe.

Same as No. 8, but without the Depth Regulator. Price, \$8.50.

PLANET JR. No. 9, Horse Hoe and Cultivator.

Frames same as No. 8, without depth regulator, has plain wheel. Price, with wheel, \$7.75, without wheel, \$7.00.

ADAMS CLIMAX CULTIVATOR

This Garden Cultivator has made a pronounced hit with the trade. The Climax is light, strong and durable and the 24-inch high wheel makes it exceedingly easy to handle. Equipped with rake and three styles of shovels which will serve any purpose desired. Weight, 23 lbs. Price, \$3.00.

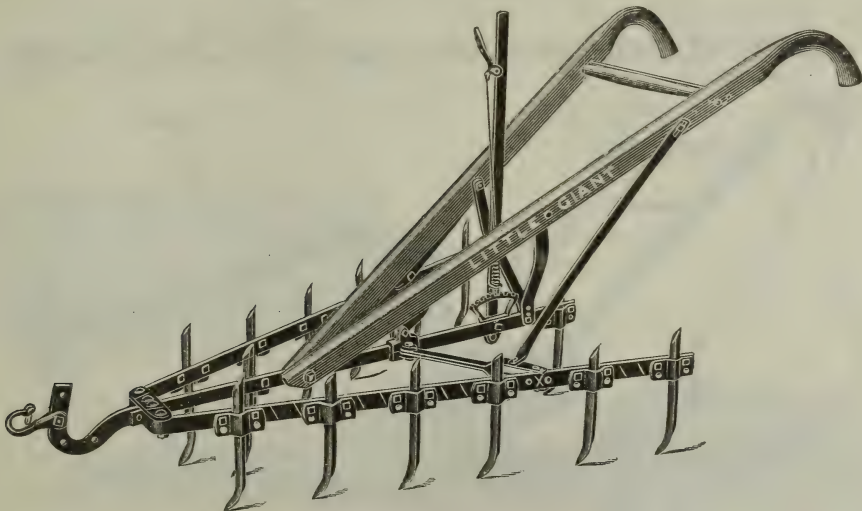
SINGLE AND DOUBLE SHOVEL PLOWS



The best Single and Double Shovel Plows made. Fitted with adjustable clevis.

Single Shovel, Wood Beam.	Each, \$2.50
Single Shovel, Iron Beam.	Each, 2.75
Double Shovel, Iron Beam	Each, 3.00
Double Shovel, Wood Beam.	Each, 2.75

LITTLE GIANT 14-TOOTH HARROW



14 Tooth Harrow.	Each, \$4.50
14 Tooth Harrow, with wheel.	Each, 5.00
5 Tooth Cultivator.	Each, 3.50
5 Tooth Cultivator, with wheel.	Each, 4.00
7 Tooth Cultivator.	Each, 4.00
7 Tooth Cultivator, with wheel.	Each, 4.50
Horse Hoe Attachment for above.	Each, 1.00

25c SPECIAL OFFER 25c

For Garden and Flower Seeds we will send this special 7-packet collection of Garden or Flower Seeds for 25c, postpaid to any part of the U. S.

GARDEN SEEDS.

- | | |
|---|--|
| 1 Packet of Peas, Gradus. | 1 Packet of Cucumber, Davis Perfect. |
| 1 Packet of Beans, Burpee's Stringless. | 1 Packet of Corn, Stowell's Evergreen. |
| 1 Packet of Cantaloupe, Rocky Ford. | 1 Packet of Beet, Crosby's Egyptian. |
| | 1 Packet of Lettuce, Adams All Head. |

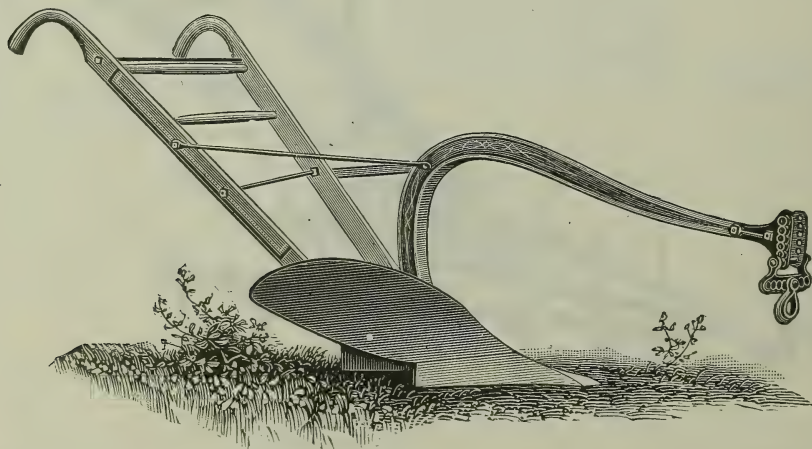
All these varieties have been tried and tested by our market gardeners for a number of years and will give you entire satisfaction.

FLOWER SEEDS.

- | | |
|-----------------------------------|----------------------------------|
| 1 Packet Sweet Peas, Mixed. | 1 Packet Nasturtium, Tall Mixed. |
| 1 Packet Pansy, Giant Mixed. | 1 Packet Salvia, Bonfire. |
| 1 Packet Nasturtium, Dwarf Mixed. | 1 Packet Petunia, Giant Mixed. |
| 1 Packet Zinnias, Mixed. | |

In ordering these collections, please mention our Special Offer.

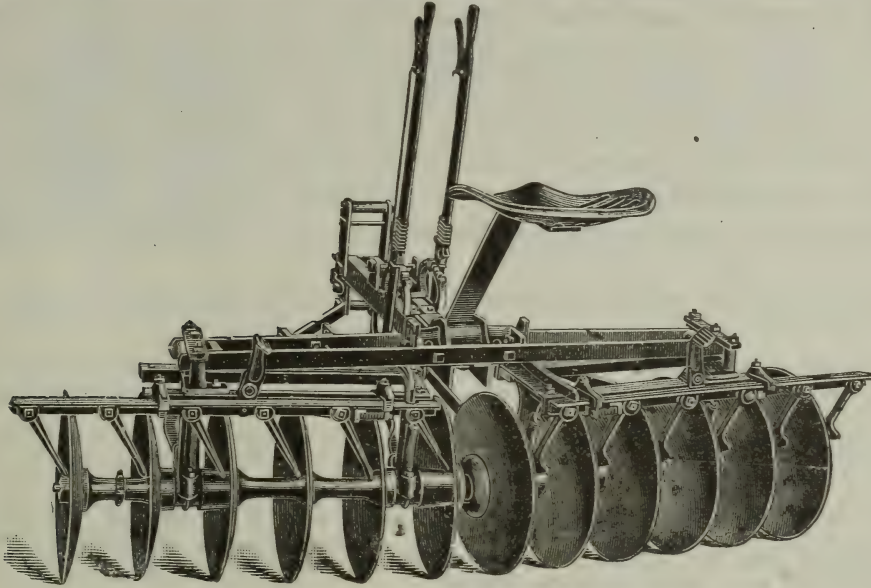
CANTON CLIPPER AND JOHN DEERE WALKING PLOWS



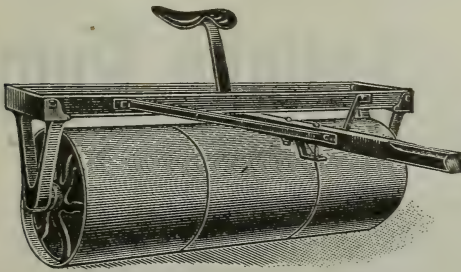
7 Inch Pony Plow.	Each, \$ 3.00
8 Inch Wood Beam.	Each, 6.00
12 Inch Steel Beam.	Each, 12.00
14 Inch Steel Beam.	Each, 14.00
50 Tooth Harrow, steel frame and lever.	Each, 10.50
60 Tooth Harrow, steel frame and lever.	Each, 11.50

ANTI-FRICTION DISC HARROW.

This picture shows our Anti-Friction Disc Harrow. The Anti-Friction Bumper Heads will be immensely appreciated because they relieve the machine of a great deal of strain and make easy draft. Fitted with spring-steel scrapers which can be moved from center to circumference by a light pressure of the foot on the lever. Each gang governed by independent lever. The frame sets directly over the center of the gangs but is perfectly balanced, guaranteeing no neck weight.



No. 1.	12-16 in. discs.	\$23.00
No. 2.	14-16 in. discs.	25.00

LAND ROLLERS**ADAMS' STEEL LAND ROLLERS.**

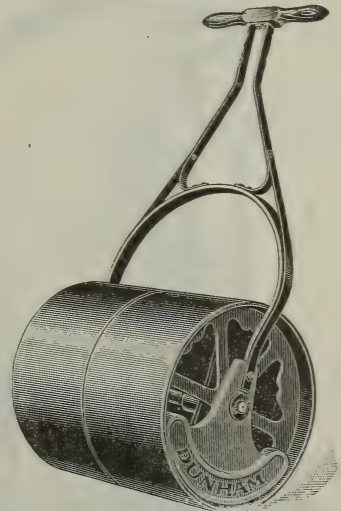
Drums are made out of high carbon steel, that will not break, crack or dent with the hardest bumps. Each drum revolves independently of the others. Frame is made of angle steel, with tongue securely bolted to the under side and well braced. Axle is $1\frac{3}{4}$ inch in diameter, with accurate lathe turned journals. Has adjustable self-oiling boxes, which are practically dust-proof. Will run a whole season with one oiling.

Drums 24 inches in diameter. Three sections as shown in cut.

6 ft.	\$24.00
7 ft.	25.00
8 ft.	26.00

ROLLER BEARING LAWN ROLLERS.

(Patented)



No.	Diam. Inches	Length Inches	Weight Pounds	Price
404	20	20	250	\$13.00
407	20	24	300	15.00

Send for Booklet "The Proper Care of Lawns."

San Jose Scale Destroyer and Insecticides

San Jose Scale is attacking orchards in this vicinity and the rapidity with which it spreads makes it imperative that prompt action be taken if you would save them. This scale is a sucking insect and is not killed by poison, but by smothering, and the problem is to find the most effective remedy, not one that merely checks, but one that destroys. There are two approved remedies, viz.: Soluble Oil and Lime Sulphur, are the only known remedies that kill or control it. We handle both, manufactured by factories of the highest standing, and the only preparation required is to dilute with water; one gal. of oil to 20 gal. water, and 1 gal. lime sulphur to 10 gal. water. Care must be taken to cover every part of the tree, for if any scales are left untouched, they multiply so rapidly that the tree is soon infested again. Prices as follows:

SOLUBLE OIL SCALE DESTROYER—Qt., 35c; ½ gal., 65c; 1 gal., \$1.00; 5 gals., \$3.75; 10 gals., \$7.50; 50 gals., \$25.00.

LIME SULPHUR SCALE DESTROYER—1 gal., 50c; 5 gals., \$1.85; 10 gals., \$3.50; bbl., 50 gals., \$9.50.

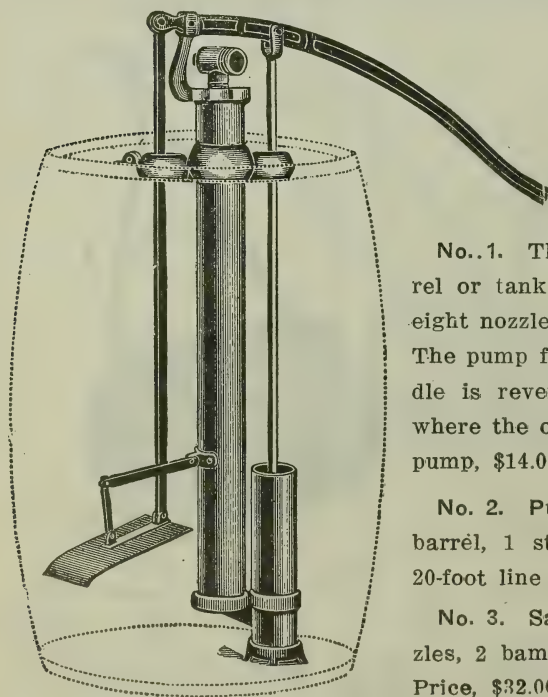
Arsenate of Lead and Paris Green are the best known remedies for leaf eating insects. Arsenate of Lead does not burn the foliage and adheres to the plant throughout the season.

ARSENATE OF LEAD—Price, 1 lb., 20c; 5 lbs., 75c; 12½ lbs., \$1.40; 100 lbs., \$10.00; 300 lbs., \$33.00.

PARIS GREEN—Price, 1 lb., 25c; 5 lbs., \$1.00; kits, 14, 28 and 56 lbs., 18c per lb.

TARGET BRAND WEED KILLER—Price, pt., 45c; ½ gal., 65c; 1 gal., \$1.00; 5 gals., \$4.50; 10 gals., \$8.50; 25 gals., \$18.75.

When wanting large quantities of any of the above, write for special prices.



Eclipse Pump

No. 1. This is our largest and most powerful barrel or tank pump; it is designed to handle six or eight nozzles. Capacity per hour 200 to 225 gallons. The pump for large commercial orchards. The handle is reversible, making it more pleasant to use where the operator stands on top of tank. Price of pump, \$14.00.

No. 2. Pump same as No. 1, with addition of one barrel, 1 strainer, 1 bamboo rod, 1 nozzle, and 1 20-foot line of hose. Price, \$25.00.

No. 3. Same as No. 2, except that it has 2 nozzles, 2 bamboo rods, and two 20-foot lines of hose. Price, \$32.00.



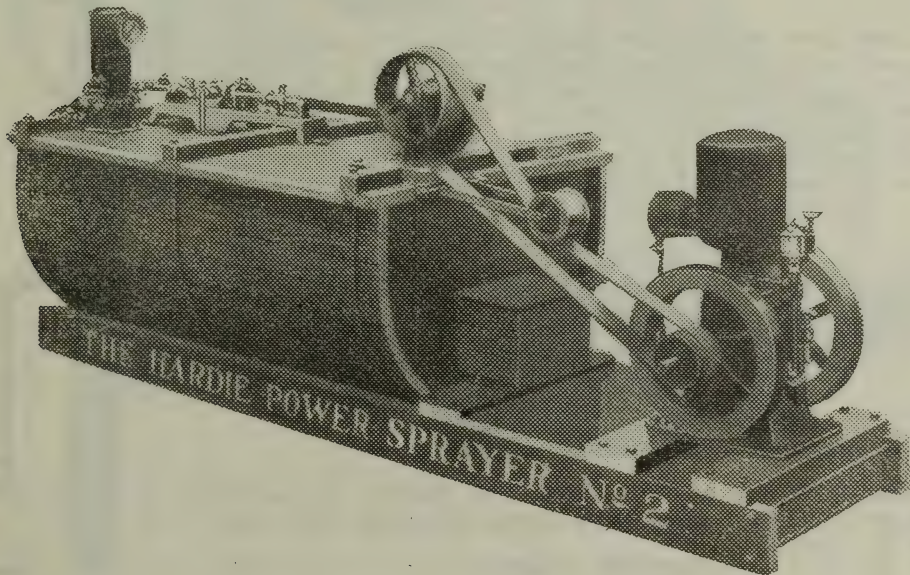
The "Hardie" Hand Spray Pump is made to fit either the side or top of the barrel. The cut shows the side mounting which has many advantages over the old method of mounting on the top of the barrel. It sets low and does not tip over or catch low branches of trees. These pumps are made in four sizes. They are constructed with all working parts of brass with brass ball valves and will stand up under the most severe usage. The pump can be removed from the barrel in 10 seconds without the use of tools, but when in use is held rigidly in place.

Outfit No. 10 consists of 1 No. 4 pump, mounted on bucket with spray lance, hose and spray nozzle. This outfit is suitable for disinfecting or whitewashing chicken houses and spraying small trees or shrubbery. Price complete, \$6.00.

Outfit No. 15 consists of 1 No. 5 pump with 10 ft. of best 5 ply $\frac{1}{2}$ -inch hose, $\frac{1}{8}$ ft. extension rod and one 2-cluster vermorel nozzle. Suitable for trees or small orchards. Price complete, \$13.50.

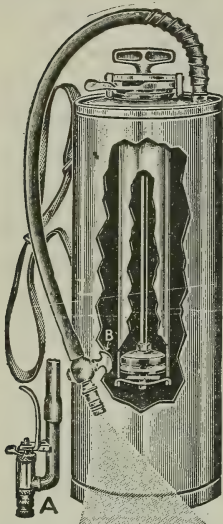
Outfit No. 18 consists of 1 No. 6 pump—2 lines of best $\frac{1}{2}$ inch hose 10 ft. long, 2 8 ft. bamboo rods and 2 2-cluster vermorel nozzle. This outfit is suitable for orchard spraying. Price complete, \$24.00.

Outfit No. 20 consists of 1 No. 7 pump with 2 20-ft. lines, best $\frac{1}{2}$ inch hose, 2 10-ft. bamboo rods, 2 double nozzles. This outfit is suitable for any class of orchard spraying and is the largest and most powerful spray pump of this type made. Price complete, \$27.50.



Send for special catalogue on power sprayers showing 3 types suitable for all classes of work. Make known your needs and let us quote you prices.

THE AUTO-SPRAY

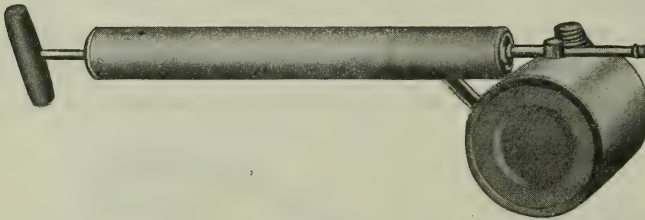


PATENTED.
Fig. 195

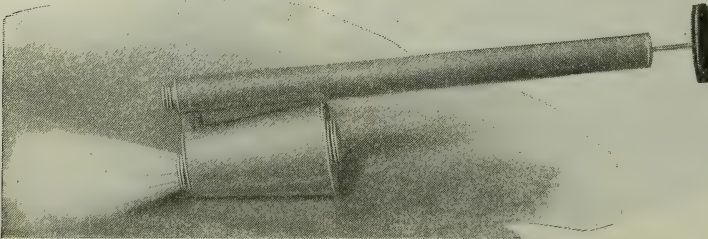
No. 1 is the standard of all compressed air sprayers. It consists of a reservoir of about 4 gallons capacity made of heavy material, either of brass or galvanized steel as ordered. In this tank is inserted and locked our brass air pump which may be attached or detached by the simple shift of the cam. To this reservoir is attached a lead of discharge hose with customer's choice of any one of the shut-off attachments shown on page 4. To the shut-off is attached a nozzle, and the nozzle may also be operated in connection with the extension pipe or elbow.

PRICES.

"Auto-Spray" No. 1A, Brass Tank, with Stop-Cock.....\$6.50
 "Auto-Spray" No. 1B, Brass Tank, with Auto-Pop No. 1.... 7.50
 "Auto-Spray" No. 1C, Galvanized Tank, with Stop-Cock.... 4.50
 Hose, all kinds; spray nozzles and rods. Price on application.



ADAMS' CONTINUOUS SPRAYER—It is so constructed that it not only sprays on the downward stroke of plunger but also when it is drawn back, causing a continuous mist-like spray. The air chamber is 1½ inches in diameter by 14 inches long, has ¼-inch steel plunger rod; special type plunger. Solution tank is made from heavy 1X tin and is so constructed that the sprayer will not tip over when filling. Capacity, one quart. Price 75c.



ADAMS POWDER SPRAYER—The only powder sprayer on the market that will spray Paris Green, Slug Shot, etc., satisfactorily. Price 75c.

LITTLE GIANT

Fig. 639. Little Giant Brass Spray Pump, with agitator, complete with hose, Imperial combination fine, coarse spray and solid stream nozzle; malleable foot rest. Price, \$3.00.

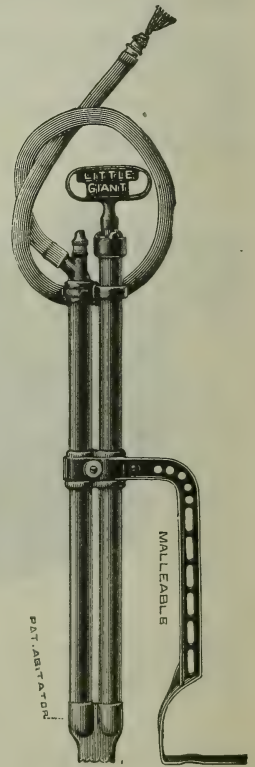


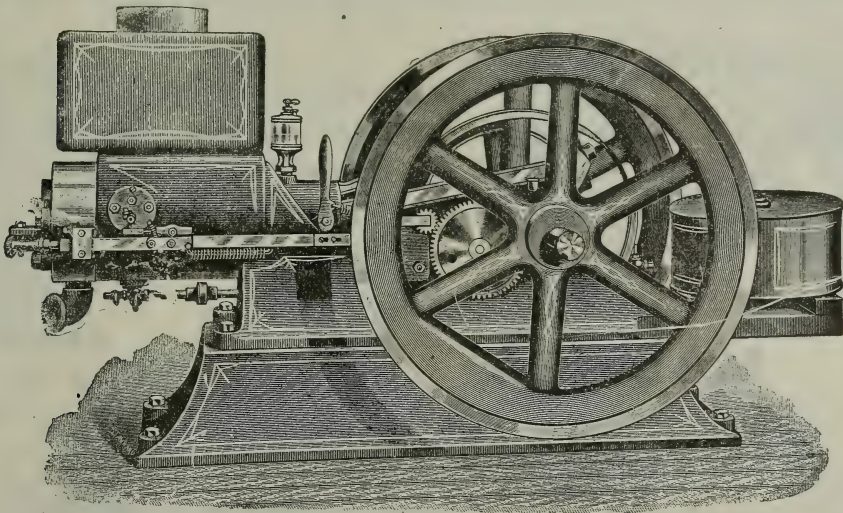
Fig. 639.

Little Giant.

THE NEW No. 3 "LIGHTNING" SINGLE TUBE SPRAYER



The accompanying cut shows our new No. 3 Single Tube Tin Sprayer. The plunger barrel measures 18 inches in length, the reservoir holds about one quart and is provided with a screw cap filling hole. This sprayer is made with single tube which produces a large and even mist-like spray. The suction tube is protected with a band brace and the plunger is provided with our patent spring expander which prevents the plunger leather from becoming wrinkled or getting out of shape. The sprayer is adapted for all kinds of spraying purposes and is used largely for spraying disinfectants, etc. Price, 50c.



One of the best engines on the market, built not for show, but for service, and can be operated by a small boy. Turn on the switch, give the flywheels a turn and it is ready for work. Can be depended upon, day in and day out. From $1\frac{1}{2}$ to 12 horse power.

WRITE FOR PRICES,

FERTILIZERS

	100 lbs.	500 lbs.
Land Plaster or Gypsum.....	\$1.00	\$ 3.75
Nitrate of Soda.....	5.00	22.50
Pure Bone Meal.....	2.50	12.00
Odorless Blood Meal.....	3.75	17.00
Truckers' Fertilizers.....	1.50	.....
Bone Dust.....	2.50	12.00
	25 lbs.	50 lbs.
Special Lawn Fertilizer.....	\$1.00	\$1.50
Kaw Garden and Grass Grower.....	1.50	2.50
	1/2 lb.	1 lb.
Bowker's Plant Food.....	\$0.20	\$0.35
Kaw Brand Plant Food.....	0.10	0.20
		Per 100 lbs.
Muriate of Potash, 50%.....		3.00
Sulphate of Potash, 48%.....		3.50
Kainit, 12%.....		1.50

INSECTICIDES AND FERTILIZERS

ASK FOR QUANTITY PRICES.



HAMMOND'S SLUG SHOT—To destroy potato bugs, rose lice and pests on tomato and egg plants, currant worms, cabbage lice and worms, flea beetles, melon bugs, canker worms and caterpillars on fruit and ornamental trees. Single lb., 10c; 5 lb. package, 35c; 100 lb. package, \$5.00. Printed instructions on every 5 lb. package.

BORDEAUX MIXTURE—Prevents black rot, mildew and rust. Destroys fungus growth on vegetables. 1 quart can, 50c; gal., \$1.50.

KEROSENE EMULSION—To kill hairy caterpillars, 1 qt., 50c.

HELLEBORE—1/2 lb., 15c; 1 lb., 25c; 5 lbs., \$1.00.

PARIS GREEN—1 lb. to 200 or 300 gallons of water. Per lb., 25c.

TOBACCO DUST—5 lbs., 25c; 100 lbs., \$3.50.

WHALE OIL SOAP—Makes an elegant wash for trees and plants where insects and eggs affect the bark. 1/4 lb. box, 10c; 1/2 lb., 15c.

SULPHO TOBACCO SOAP—3 oz. cake, 10c; 8 oz., 20c. Not postpaid. If by mail add 1c oz.



APHIS PUNK—Pkg., 60c.

NICOTINE—Pint, \$1.50.

NICO-FUME—Pkg., 24 sheets, 75c.

NICO-FUME—Can 144 sheets, \$3.50.

NICO-FUME—Can 288 sheets, 6.50.

MASTICA

For
Glazing Greenhouses.

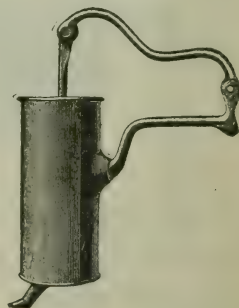
Its advantages over Putty.

Mastica is elastic and tenacious and remains pliable for years, and for this reason broken glass is more easily removed.

It also admits of the expansion and contraction of the greenhouse from moisture and heat.

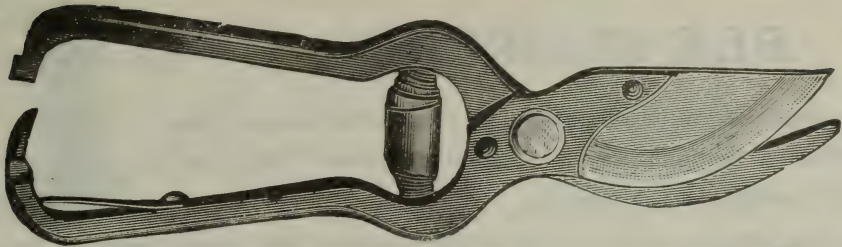
Putty becomes hard and brittle, and cracks off under these conditions.

Price, Gallon, \$1.35

MASTICA

Machine.

Price, \$1.25.



PRUNING SHEARS..... 50c

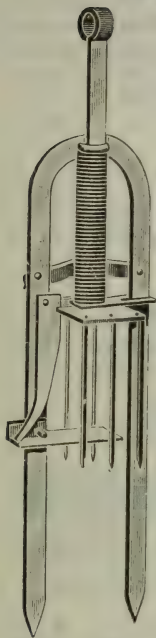


TROWELS..... 25c

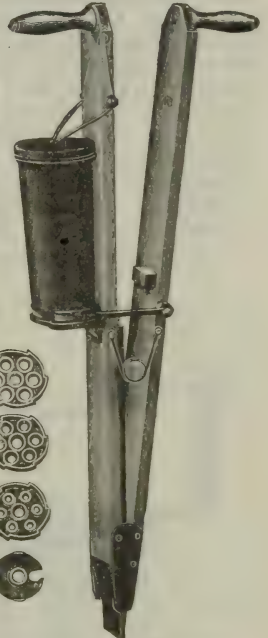


- DIBBERS..... 25c
 Hazeltine Hand Weeders..... 25c
 Lang Weeders..... 25c
 Excelsior Weeders..... 25c
 Excelsior Weeders..... 25c
 Combination Weeder..... 30c

MOLE TRAPS.....\$1.00

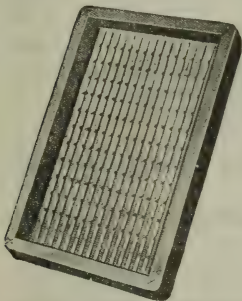


Mole Trap. filling in missing hills. Price.....\$1.00



Hand Corn Planter.

HAND CORN PLANTERS—Indispensable for



PLANTER PATENT SEED CORN GRADER—The use of this grader in sorting your seed corn, insures accuracy of the drop, a more perfect stand, an increased crop, and will pay the cost of the screen many times over the first season. Price, 75c.

FRUIT PACKAGES

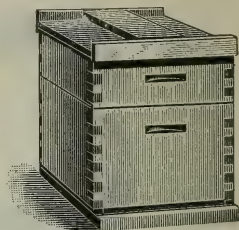
BERRY BOXES, CRATES, BASKETS AND TREE PROTECTORS.

Berry Boxes (500 in bdl.).....	per 1000, \$2.50
Berry Box Crates (10 in bdl.).....	per 100, 7.50
Climax, 8-lb. basket, no cover.....	per 100, 2.50
Climax, 8-lb. basket, flat cover.....	per 100, 3.00
Climax, 7-lb. basket.....	Prices same as 8-lb.
Fruit Tills, 2½-lb., 3-lb. and 4-lb.....	per 100, \$1.25
Diamond Market Baskets.....	per dozen, .40
½-bu. Picking Baskets.....	per dozen, 2.50
1-bu. Baskets.....	per dozen, 1.50
½-bu. Wire Potato Baskets.....	50c each; per dozen, 5.50
Tree Protectors.....	per 100, .75

We carry a large stock of these goods. Prices subject to market changes.

BEE SUPPLIES.

On account of the limited space, we are unable to give here price of but a limited number of staple articles. Write for complete catalogue of bee supplies.

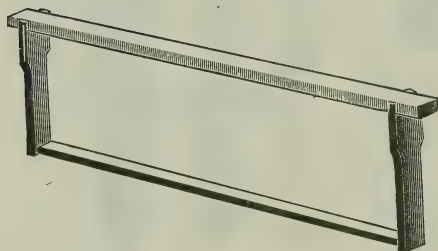


The dovetailed hive here listed is the standard the world over. It is made in two sizes, 8 and 10 frame, for either comb or extracted honey. No. 1 Hive for comb honey complete, 1½ story with sections and foundation starter for sections, bottom board, Higginsville cover, bodies fitted with Hoffman self-spacing frames and division boards. Supers have section holders, sections, separators and super springs.

8 Frame, Weight 27 lbs., Nailed and Painted.	\$2.75
10 Frame, Weight 30 lbs., Nailed and Painted.	2.90
1 Package of five 8 fr., Hives knocked down.	9.75
1 Package of five 10 fr., Hives knocked down.	10.50
1 Package of five two-story 8 fr., Hives for Extracted Honey knocked down	10.00
1 Package of five two-story 10 fr., Hives for Extracted Honey knocked down	10.75

Prices of all Parts of Hives Given on Application.

HOFFMAN FRAMES.



Hoffman Self-Spacing Brood Frames made with wedge for fastening comb foundation to the top bar; will fit the dovetailed hive or any hive using frames 9½ x 17½ in., with 19 in., top bar.

Price per 100, \$2.75; 500, \$13.00.

½ Depth Extracting Frames, per 100, \$2.00; 500, \$9.50.

HONEY SECTIONS.

First quality white Northern Basswood; polished on both sides. Any style, but standard size only.

Unless you order otherwise, we will send you sections 4¼ x 4¼ x 1½.



One-Piece Section. Open Top and Bottom.

No. 1 quality.

100	\$.75
250	1.50
500	2.50
1000	5.00
3000 per 1000	4.75

Plain sections 3½ x 5, 4¼ x 4¼, and 4 x 5 are 25c per 1000 less than bee-way (open top and bottom) sections.

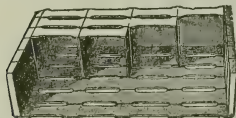
Second Quality Sections.

50c per 1000 less than above.

Higginsville Section Press each 50c; by mail 60c.

PARKER'S FOUNDATION FASTENER.

SECTION HOLDERS.

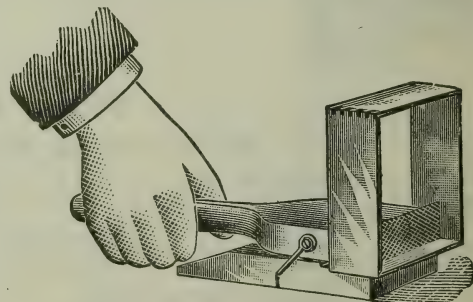


Section Holders.

Section Holders to hold four sections 4¼ x 4¼ x 1½ Sections per 100, \$2.25; 500, \$9.50.

Plain Section Holders for Sections 4¼ x 4¼ x 1½, per 100, \$1.60; 500, \$7.50.

Section Holder Slats, 18½ x 1½, per 100, \$1.15; 500, \$4.75



The Parker Foundation Fastener is a very handy little machine for putting comb foundation starters in sections. They cost but little, and one with a little practice can put in 500 starters an hour with them.

Price, 25c each; by mail, 40c.

COMB FOUNDATION.

Our Comb Foundation is manufactured of pure beeswax, and is indispensable for the bees as a guide and a base on which to build their comb. If you fasten a strip of comb foundation to the center at top of frame or section box, even though it be but a half inch in width, the bees will follow it, and build their comb just where it should be. With foundation you have control over the comb building of the bees. Medium brood and light brood foundation is to be used in the brood frames, while the thin and extra-thin is the kind for the section honey boxes.

PRICE LIST OF COMB FOUNDATION.

In Ordering Give Grade and Price.

NAME OF GRADE	Where used	Regular Size	Sheets Per Lb.	Price per Pound			
				1lb.	5 lbs.	10 lbs.	25 lbs.
Medium brood.....	In brood & extract. frame...	7 $\frac{7}{8}$ x 16 $\frac{3}{4}$	8	\$0 56	\$0 54	\$0 52	\$0 50
Light brood.....	In brood & extract. frame...	7 $\frac{7}{8}$ x 16 $\frac{3}{4}$	10	60	56	54	52
Thin super.....	In sec. bxs. for comb honey	3 $\frac{3}{4}$ x 16 $\frac{3}{4}$	27	65	60	58	56
Extra thin super.....	In sec. bxs. for comb honey	3 $\frac{3}{4}$ x 16 $\frac{3}{4}$	30	70	65	63	60

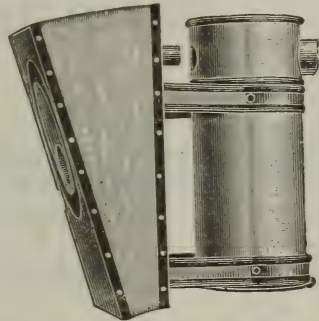
BEE GLOVES.



We are prepared to furnish cotton gloves, like the above cut, which is generally sufficient to protect the hands and arms from stings. But for vicious bees we suggest using rubber gloves instead.

Price of the cotton gloves, with fingers, 35 cents each; by mail, 42 cents.

ACME SMOKER.



Prices of ACME SMOKERS.

No. 1. 2 $\frac{3}{4}$ -inch barrel, 50c; by mail, 70c.

No. 2. 3 $\frac{1}{2}$ -inch barrel, 65c; by mail, 90c.

Prices of "HIGGINSVILLE" Smokers.

Each, 75c; two for \$1.40. Made of cold rolled copper, price \$1.25.

By mail, 25c extra each for postage.

PRICE LIST OF SHIPPING CASES.

Any Regular Size.

CASES	In flat, paper, nails			Weight Per 100 in Lbs.
	1	10	100	
12-lb., 2-inch glass.....	\$0 15	\$1 20	\$10 75	220
12-lb., 3-inch glass.....	15	1 30	11 50	225
12-lb., no glass.....	15	1 10	10 00	210
24-lb., 2 inch glass.....	25	2 00	17 00	440
24-lb., 3 inch glass.....	25	2 05	18 00	450
24-lb., no glass.....	25	1 95	16 00	425

GLOBE BEE VEIL.



No trouble to put on or take off; perfect protection; we know of nothing better.

By mail for \$1.00; extra nets, 60 cents each.

Cotton tulle veil with silk face, fits any hat.

Price, 60c; by mail, 65c.

MANUM'S SWARM CATCHER.

The swarm catcher with long pole is just the thing to get bees down out of high trees.

Price, with pole..... \$1.25

Without pole85

Implements

— IF IN NEED OF —

Mowers,
Reapers,
Binders,
Wind Mills,
Galvanized Tanks,
Gasoline Engines, Made to Order.
Pumps,
Farm and Spring Wagons,
Buggies,

CALL ON US, AND WE WILL MAKE YOU CLOSE
PRICES AND SELL YOU ALMOST ANY
IMPLEMENT YOU MAY WANT.

PRICES ON APPLICATION.

We also have special WAGON COVERS and HORSE COVERS
for Gardeners and others needing a cover that will keep out the
rain.

COME IN AND LET US SHOW YOU.

Time required for Vegetables to be ready for use.

Beans, Dwarf	40 to 50	days	Melons, Water.	70 to 90	days
Beans, Pole.	80 to 100	"	Cantaloupe.	65 to 80	"
Cabbage, Early.	70 to 80	"	Okra.	50 to 60	"
Cabbage, Late.	100 to 120	"	Parsley.	70 to 80	"
Carrots.	60 to 70	"	Onions.	80 to 115	"
Cauliflower.	70 to 100	"	Peas.	50 to 75	"
Celery.	110 to 150	"	Parsnips.	80 to 90	"
Corn, Sweet, Early.	60 to 70	"	Radish, Summer.	22 to 45	"
Corn, Sweet, Late.	75 to 100	"	Salsify.	90 to 100	"
Cucumbers.	65 to 80	"	Spinach.	45 to 60	"
Egg Plant.	120 to 130	"	Tomato.	90 to 120	"
Kale.	50 to 65	"	Turnip.	60 to 90	"
Lettuce.	40 to 50	"			

USEFUL TABLES

Average Quantity of Seed Sown to an Acre.

In Drills.	Bushels.
Dwarf Beans	1 1/4
Early Peas	1 1/2
Marrowfat Peas	1 1/4
	Pounds.
Beets	4 to 5
Carrots	2 to 3
Onions	4 to 5
Onions for sets	50 to 70
Onion Sets	8 to 10
	Bushels.
Potatoes (cut tubers)	10
	Pounds.
Parsnips	4 to 5
Radishes	6 to 8
Rutabagas	1 to 1 1/2
Spinach	20 to 30
Salsify	6 to 8
Turnip	1 to 1 1/4

In Hills.

Pole Beans	12 to 15
Corn	8 to 10
Cucumbers	2 to 3
Muskmelons	2 to 3
Watermelons	3 to 5
Pumpkin	5 to 6
Squash	4 to 5

Quantity of Seed Required for a Given Number of Hills.

	Hills.
Pole Beans	1 qt. to 50
Corn	1 qt. to 200
Cucumbers	1 oz. to 125
Watermelons	1 oz. to 40-50
Muskmelons	1 oz. to 75-100
Pumpkin	1 oz. to 60-90
Squash	1 oz. to 60-80

Quantity of Seed Required for a Given Number of Plants.

	Plants.
Asparagus	1 oz. 500
Cabbage	1 oz. 2,000
Cauliflower	1 oz. 2,000
Celery	1 oz. 2,500
Leek	1 oz. 1,500
Endive	1 oz. 3,000
Egg Plant	1 oz. 1,000
Lettuce	1 oz. 3,000
Pepper	1 oz. 1,000
Tomato	1 oz. 1,500
Thyme	1 oz. 4,000
Sage	1 oz. 1,000
Savory	1 oz. 2,000
Marjoram	1 oz. 1,500
Rhubarb	1 oz. 500

Quantity of Seed Required for a Given Length of Drill. Feet of Drill.

Asparagus	1 oz. 60
Beet	1 oz. 50
Beans, Dwarf	1 qt. 100
Carrot	1 oz. 100
Endive	1 oz. 100
Okra	1 oz. 40
Onion	1 oz. 100
Onion Sets	1 qt. 20
Parsley	1 oz. 125
Parsnips	1 oz. 150
Peas	1 qt. 100
Radishes	1 oz. 75
Salsify	1 oz. 70
Spinach	1 oz. 75
Turnip	1 oz. 150

Table Showing the Amount of Seed Necessary for an Acre, and the Number of Pounds to the Bushel.

	No. lbs. to bu.	No. lbs. to acre.
Red Clover . . . . .	.60	12 to 15
White Dutch Clover . . . . .	.60	5 to 8
Alfalfa . . . . .	.60	20 to 30
Esparsette . . . . .	.24	40 to 45
Alsike Clover . . . . .	.60	5 to 8
Timothy . . . . .	.45	10 to 15
Hungarian . . . . .	.48	24 to 36
Millet . . . . .	.50	25 to 50
Red Top . . . . .	.14	10 to 15
Orchard Grass . . . . .	.14	28 to 42
Kentucky Blue Grass . . . . .	.14	14 to 42
Johnson Grass . . . . .	.25	25 to 30
Fine Mixed Lawn Grass . . . . .	.14	40 to 70
Hemp . . . . .	.44	30 to 60
Flax . . . . .	.50	28 to 42
Buckwheat . . . . .	.50	25 to 50
English Blue Grass . . . . .	.22	22 to 28
Oats . . . . .	.32	32 to 96
Barley . . . . .	.48	65 to 96
Corn . . . . .	.56	8 to 10
Rye . . . . .	.56	56 to 72
Wheat . . . . .	.60	60 to 90
Sugar Cane . . . . .	.50	6 to 8
Sugar Cane, broadcast . . . . .	.50	50 to 75
Peas, Field . . . . .	.60	90 to 120

Table Showing the Number of Plants or Trees to the Acre of Given Distance.

Dist. Apart.	No. Trees.
1 foot	43,500
1 1/4 feet	19,360
2 feet	10,890
2 1/2 feet	9,960
3 feet	4,840
4 feet	2,722
5 feet	1,722
6 feet	1,210
9 feet	567
12 feet	302
15 feet	193
18 feet	134
21 feet	98
24 feet	75
27 feet	59
38 feet	40

FIELD, FLOWER SEEDS AND GARDEN

1913

INSECTICIDES, FERTILIZERS,
IMPLEMENTS AND SUPPLIES



T. LEE ADAMS SEED CO.
417 WALNUT ST.
KANSAS CITY, MO.